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The
CHEMIST AND DRUGGIST
for RETAILER - WHOLESALER - MANUFACTURER

Established 1859 28 Essex Street Strand London W.C.2 Registered as a Newspaper

No. 3236
VOL. CXXXVII FEBRUARY 14, 1942 Annual Subscription (with Diary) 25/-. Single Copies 9d.

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PHARMACEUTICAL SPECIALITIES M&B (MAY & BAKER) LIMITED
DAGENHAM

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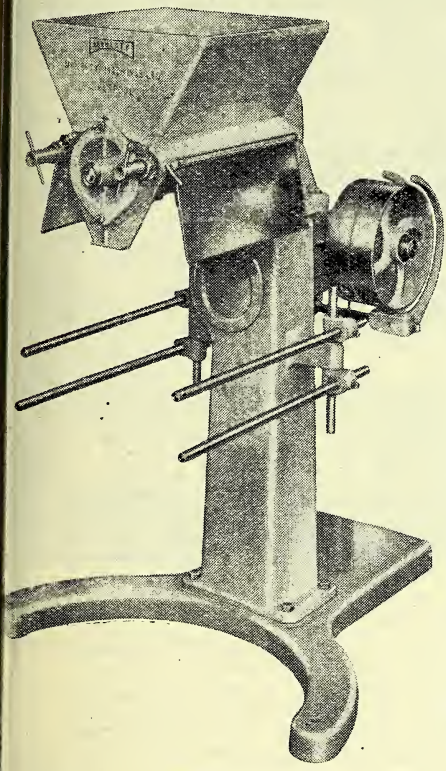
AN ANNOUNCEMENT

◆

Chemists who have enquiries for tooth picks should get in touch with Keenes Laboratories Limited, 46 Elswick Road, Newcastle-on-Tyne, 4, who are manufacturing Keenes Dental Stimulators, and these are available in fairly large quantities.

SAVES LABOUR, SPEEDS UP WORK, TURNS OUT BETTER GRANULES



If you make tablets, this machine is a necessity

MANESTY

OSCILLATING GRANULATOR

MATERIAL to be compressed should be in the form of uniform granules, otherwise irregularities in the tablets will result. Granulation can be done by hand, but such a process is somewhat slow. The Manesty Oscillating Granulator does the work of four to six operators and turns out granules of uniform size. Its output is about 150 lb. per hour, and it thus very greatly reduces time and labour costs. The size of the granules can be varied by alteration of the stainless steel screen. Three stainless steel wire screens are provided with each machine—8, 10 and 12 mesh.

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1. Gives uniform granules of any desired size.
2. Working parts are made of stainless steel, wear is minimised, and contamination of material eliminated.
3. Does the work of four to six operators at a fraction of the cost.
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Height ..	4 ft. 2 in.
Floor Space ..	39½ in. × 32 in.
Pulleys ...	10 in. × 2 in.
Capacity ..	150 lb. per hour (approx.)
Speed	480 r.p.m.
Power required	1 h.p.
Lubrication ..	Grease gun
Weight, Net ..	311 lb.
,, Gross	500 lb.

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The book is thoroughly up-to-date, and is ideal for counter prescribing purposes. Every Pharmacist should possess a copy. Your usual wholesaler can supply you or you can have a copy by return of post if you send remittance value 9s. 6d. to The Publisher

The CHEMIST AND DRUGGIST
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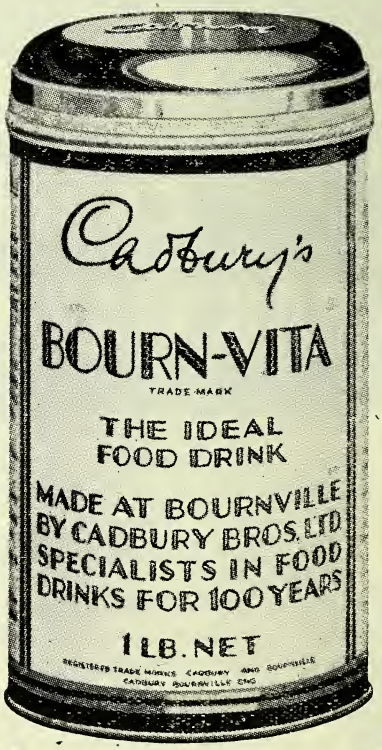

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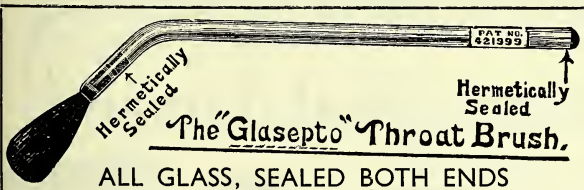

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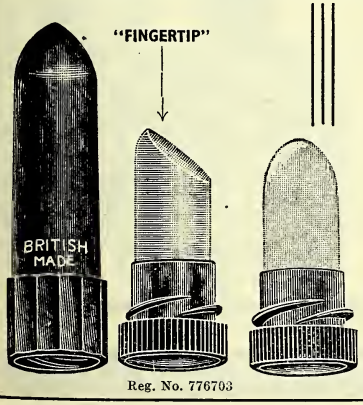

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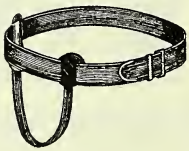

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NEWS OF THE WEEK

Export Licensing.—Under a Board of Trade Order (S.R. & O., 1942, No. 172, 1d.), which comes into force on February 24, licences will be required to export the following classes of goods to all destinations: Preparations of derris and its extracts; isopropyl alcohol; normal propyl alcohol; organic thiocyanates and mixtures containing them; Prussian blues; and soluble Prussian blue. Copies of the Order may be obtained from H.M. Stationery Office.

Hexamine Controlled.—The Minister of Supply has made the Control of Molasses and Industrial Alcohol (No. 14) Order (H.M. Stationery Office, 1d.), which became operative on February 4. This Order controls paraformaldehyde (paraform), metaformaldehyde or hexamethylene tetramine (hexamine, hexine, urotropine). Licences are necessary in connexion with the acquisition or disposal of quantities of these materials exceeding in the aggregate 1 cwt. in any period of six calendar months. Applications for licences should be addressed to the Molasses and Industrial Alcohol Control, Great Burgh, Epsom.

Control of Cork.—The Minister of Supply has made the Control of Cork (No. 1) Order, 1942, which came into force on February 9. The Order prohibits, except under licence, the use of cork in the production of a wide range of goods, including toys, stationery, headwear; household, office and shop fittings and accessories. Applications for licences should be addressed to the Ministry of Supply (Dept. R.M.2.A.), Warwick. The production of medical and surgical supplies and any article in which cork is required by law to be used is not restricted by the Order. The Order does not restrict the use of cork in the fulfilment of Government contracts or the finishing of partly-manufactured goods. Copies of the Order may be obtained from H.M. Stationery Office, York House, Kingsway, W.C.2, or through any bookseller (price 1d.).

Poisons Rules Procedure.—An Order in Council (S.R. & O., 1941, No. 1899) has added Regulation 60 H.A. to the Defence (General) Regulations, 1939. This modifies the procedure for making Poisons Rules under the Pharmacy and Poisons Act, 1933, as follows:—

(*a*) the provisions of subsection (1) of section twenty-three of that Act requiring that rules under that section shall be made only after consultation with or on the recommendation of the Poisons Board;

(*b*) the provisions of subsection (2) of section twenty-six of that Act requiring that, if the Secretary of State makes any such rules as aforesaid with which the said Board does not concur, he shall lay before each House of Parliament a statement of his reasons for making the rules,

shall not apply to any such rules as aforesaid which appear to the Secretary of State to be necessary or expedient for any of the purposes enumerated in subsection (1) of section one of the Emergency Powers (Defence) Act, 1939.

Employment of Women.—The Employment of Women (Control of Engagement) Order (S.R. & O., No. 100), which comes into operation on February 16, provides that: (1) No person shall seek to engage or engage any female person for employment otherwise than by notifying to a local office or approved employment agency particulars of the vacancy to be filled and by engaging for that vacancy a female person submitted to him by the local office or approved employment agency as the case may be unless she is a person who either (*a*) has not attained the age of twenty years, or (*b*) has attained the age of thirty-one years; and (2) a female person seeking employment shall obtain her employment by making application to a local office or approved employment agency and by means of a submission to an employer by the local office or approved employment agency as the case may be and not otherwise unless she is a person who either (*a*) has not attained the age of twenty years, or (*b*) has attained the age of thirty-one years. The provisions of this Order will not apply to certain employments or to the engagement or employment of any female person who has living with her a child of hers under the age of fourteen years; or if the employment is specified or described in a permit issued by or on behalf of the Minister of Labour and National Service, and for the time being in force, as being employment in respect of which the holder of the permit is exempted from the provisions of this Order.

Pharmacy and Medicines Act, 1941.—Inspectors under this Act have made a survey of the whole country and have reported their findings to the Pharmaceutical Society. It has been decided to draw the attention of certain manufacturers to advertisements which are obviously contrary to the Act. The Society has advised such manufacturers, in a number of doubtful points, to seek counsel's opinion. A special difficulty appears to arise where the words "kidneys" and "lungs" are used in such a way as to be calculated to lead to the use of a preparation in Bright's disease or tuberculosis.

S.E. London Resolutions.—At a meeting on January 29, the South-east London Branch of the National Pharmaceutical Union passed the following resolutions: "That this meeting of the South-east London Branch of the N.P.U., having freely discussed the question of National Health Insurance remuneration and the position of pharmacy today, is of the opinion that the N.P.U. Executive should: (*a*) approach the Minister of Health, and point out that to maintain an adequate dispensing service under the National Health Insurance Acts, particularly for workers in war industries, it is essential that sufficient qualified pharmacists should be left in private practice (it is apparent from reports received from members that so many pharmacists have already been called up that there are not sufficient pharmacists available to maintain an adequate service); and (*b*) make representations to the Minister of Health and to the Treasury intimating chemists' dissatisfaction at the remuneration now being paid for insurance dispensing. This point is made on the following grounds: (1) Increased overheads, over which the individual contractor has no control (e.g., rates, heating, wages, insurances, and the like). (2) The tendency of medical practitioners to prescribe medicine in much greater volume than hitherto. (The experience of members is that the 12- and 16-oz. bottles have replaced the 8-oz.) (3) The increased cost of materials not chargeable to the patient but included in the dispensing fee (e.g., corks, labels, boxes)." "That this meeting is of the opinion that the dispensing fee for mixtures and compounded preparations should be based on

the volume indicated in the National War Formulary, and that where more than this volume is supplied the fee should be on a *pro-rata* basis."

Donations.—W. Blythe & Co., manufacturing chemists, Church, have subscribed £5,000 to Accrington's Warship Week.—Parkinsons, Ltd., manufacturing chemists, Burnley, have contributed £1,000 to the local Warship Week.

Nottingham Branch Officers.—At the annual meeting of the Nottingham Branch of the Pharmaceutical Society, on January 29, the following officers were elected: *Chairman*, Mr. G. E. Trease, B.Pharm., Ph.C.; *Vice-chairman*, Mr. W. Lee; *Treasurer*, Mr. H. Middleton; *Secretary*, Mr. W. Newbould; *Assistant Secretary*, Mr. C. E. Reynolds.

Glasgow Doctors' "No-confidence" Resolution.—A resolution of "no confidence" in the Insurance Acts Committee of the British Medical Association as a negotiating body for the insurance practitioners of Great Britain and Ireland was passed unanimously by about 100 Glasgow doctors who attended a meeting under the auspices of the district branch of the Medical Practitioners' Union recently. The meeting called for the appointment of an independent body drawn from representatives of the Panel Committee, the body to be composed "exclusively" of insurance practitioners, none of whom shall be in the paid employment of the Ministry of Health or any approved society.

Proposed Dispensing Classes.—Councillor R. Hudson, M.P.S., at Burnley Town Council, on February 4, moved back a minute of the Education Committee to establish a three-years' course in dispensing at Burnley Technical College (see *C. & D.*, January 31, p. 131, and February 7, p. 171). He said pharmacy was not a very lucrative career and unqualified persons in or about pharmacy had a very thin time. It would be a mistake to encourage young people in this way. One member said the Committee were only exploring the position, but other speakers contended that approving the minute would confirm the appointment of a teacher. The Council referred the minute back. Councillor Hudson said the course was to provide training for the Apothecaries' Hall examination—usually taken by young ladies wishing to become doctors' dispensers. He was surprised there was a demand for such a course, for today few doctors employed young ladies as dispensers, having regard to National Health Insurance. The demand had arisen because young ladies in pharmacies had been canvassed to see if they would attend. Councillor Hudson said the fact that scholars came from elementary schools did not preclude them taking up pharmacy as a career. There was an entrance examination for which the children could sit.

Suspension of Withdrawal of Authorities.—The Home Secretary has suspended until further order the operation of the notice published in the London and Edinburgh "Gazettes," June 25, 1940, withdrawing from Warren George Rees Morris, Combe Down House, Combe Down, Bath, the authorities to be in possession of and to supply any drug or preparation to which the Dangerous Drugs Regulations, 1937, or the Raw Opium, etc., Regulations, 1937, apply, and to give prescriptions for the purposes of the regulations.

Irish Drug Association.—At a committee meeting of the Irish Drug Association held on January 26, the officers for the current year were elected. On the motion of Mr. P. F. McGrath (outgoing president), seconded by Mr. T. C. Scott, Mr. F. X. Meagher (vice-president) was unanimously elected *President*. Mr. Lyall G. Smith, was elected *Vice-president* on the motion of Mr. Meagher, seconded by Mr. G. A. McLean Lee, and Mr. McLean Lee was re-elected *Treasurer* on the motion of Mr. McGrath, seconded by Mr. Meagher. "The new president," writes an Irish correspondent, "is one of the most progressive and capable of men in Irish pharmacy today, and has consistently taken a live interest in both the ethical and trade aspects of the profession. As vice-president of the Association Mr. Meagher showed himself to be a man of unsparing energy. In the difficult days through which the drug trade is now passing in Eire he should prove of real value. In addition to running a retail pharmaceutical business at Upper Baggot Street, Dublin, Mr. Meagher is a director of Steel Products, Ltd., Carlow, and on the boards of other Eire industries allied to pharmacy. Mr. Lyall Smith, the new vice-president, is one of the younger generation, but has already done trojan work for the photographic interests of Irish chemists, both as secretary and subsequently as chairman of the Eire Branch of the Photographic Dealers' Association, on the Council of which he ably represents Ireland. The treasurership has been for several years past

in the competent and conscientious hands of Mr. G. A. McLean Lee. He has given long and devoted service on the trade body, and his re-election will be widely approved."

Irish Golf Honour.—One of the highest honours in the Irish golfing world has been conferred upon Mr. Thomas P. Toher, M.P.S.I., Sligo, who has been elected president of the Golfing Union of Ireland. Mr. Toher is one of the best-known and most progressive chemists in the West of Ireland, and has two pharmacies in Sligo, where he has also large business interests outside the profession. Mr. Toher was one of the founder members of the Irish Chemists' Golfing Society, of which he has also been a former Captain.

Eire Registrar's Lecture.—An informative lecture on "Sir Robert Kane" was given recently to the members of the Old Dublin Society by Mr. James J. Kerr, P.C. (registrar, Pharmaceutical Society of Ireland). The fame of Sir Robert Kane, Mr. Kerr stated, rested on his work "Industrial Resources of Ireland," which was published in 1844, and in which he advocated the development of the natural resources of the country. Sir Robert, who was a chemist, held the medical degrees of Trinity College, the Apothecaries Hall, and the Royal College of Surgeons. He was also Professor of Chemistry, Apothecaries Hall; Professor of Natural Philosophy, Royal Dublin Society; President, Queen's College, Cork; Vice-Chancellor, Royal University.

Drug and Medicine Stocks in Eire.—Under the heading "Eire Faces Medicine Shortage," a Dublin morning newspaper published on January 27 an interview with "a man closely in touch with the drug and medicine business and the needs of the hospitals," in which it was stated that "about next May or June" the country would begin to feel acutely the absence of many of the highly-refined chemicals used for injections. Supplies of local anæsthetics, he went on, were below normal; ether stocks had diminished a good deal and promised replenishments had not yet arrived. Castor oil, liquid paraffin, and olive oil were completely cut off. So were bismuth salts, potassium iodide, and bromides. Iodised salts were running low, and a shortage of iodine and glucose was also threatened. Sera and catgut were becoming scarce while doctors and hospital authorities foresaw possible shortages of insulin for diabetes, and liver extract used in cases of pernicious anæmia.

The writer's statements have been challenged by Mr. A. A. Brunker, M.P.S.I. (managing director, Boileau & Boyd, Ltd.), who declared that the interview might cause needless alarm. Mr. Brunker stated: "Of the drugs mentioned we hold large stocks of ether, bismuth salts, bromides, iodide of potash, iodised salt, insulin, and the various sera in general use. Further supplies are coming in regularly and we do not anticipate any shortage, at any rate for a considerable time. We also hold good stocks of liver extract, both for oral and hypodermic use, but certain proprietary makes are unobtainable or in short supply. Castor oil, liquid paraffin, olive oil, and powdered glucose are unobtainable, and have been for some months, but a certain amount of liquid glucose and a substitute in invert sugar are now available. We are informed that not only is catgut in good supply, but that the Irish manufacturers are actually doing an export trade." Mr. Brunker considered that the drug position was extraordinarily favourable after twenty-nine months of war.

Dublin Chemists' Dance.—The Pharmaceutical Chemists' and Students' fourteenth annual dance, held at the Metropole Ballroom, Dublin, on February 3, was attended by over 500 patrons. Valuable spot prizes were presented to lucky couples, and dancing was kept up to the early hours of Wednesday morning.

The attendance included Mr. P. C. Cahill (president, Pharmaceutical Society of Ireland) and Mrs. Cahill; Mr. F. X. Meagher (president, Irish Drug Association) and Mrs. Meagher; Mr. and Mrs. S. T. McAuley; Mr. and Mrs. S. O'Farrell; Mr. and Mrs. T. Esmonde; Mr. B. McNamara; Mr. and Mrs. Walshe; Mr. and Mrs. Chambers; Dr. Norman May; Dr. Corbett May; Mr. and Mrs. Tooher, Lieutenant and Mrs. Duffy, Mr. Brendan Smith, Mr. T. B, O'Sullivan, Miss Behan, Mr. Jack Foley-Mr. H. P. Corrigan, M.C.P.S.I., Miss E. Corrigan, Mr. Hennessey, Mr. J. Maguire, Mr. A. Kerrigan, Mr. and Mrs. Twomey, the Misses McNally, Whelan, Ingram, C. Cunniffe, S. Frayne, M. Rooney, and Sheehan. The organising committee included Messrs. W. Mullen (chairman), M. Walshe (treasurer), J. D. Tooher (secretary), D. O'Leary, M. Hanna, P. Rosney, J. Gardener, R. Shore, D. Prenderville, J. Maguire, F. Kavanagh, A. Cotter, J. Tracy, J. Tierney, S. Boyd, and C. Ward, and the Misses M. Forde, J. Nicell, T. Rooney, and C. Cunniffe.

EMPIRE AND FOREIGN NEWS

German Trade Fairs Abandoned.—It has been announced from Berlin that no trade fairs will be held in Germany during 1942.

Saskatchewan Chemists Agree on Dispensing Prices.—The Retail Druggists' Association of Saskatchewan has adopted a uniform schedule of compounding fees for prescriptions and has issued in connexion with it a percentage solution chart.

Australian Pharmacists and the Army.—The Military Board of Australia, after considering further representations made by the Pharmaceutical Association, has decided not to make any change in the organisation of the Army Medical Directorate for the present. There are some thirteen pharmacists with the rank of major or captain in administrative appointments in the A.A.M.C. in Australia, and in addition the technical advice of the Medical Equipment Control Committee of the Department of Defence Co-ordination is available at all times to the Director-General of Medical Services.

N.S.W. Plebiscite on Closing Hours.—As the result of a resolution passed at the annual meeting of the Pharmaceutical Guild of New South Wales that a plebiscite of master pharmacists should be taken on the question of specific closing hours for general adoption, a meeting restricted to master pharmacists was held recently. It was decided that the plebiscite should be taken on whether the hour on Mondays to Thursdays should be 6, 6.30 or 7 p.m., on Fridays 8.30 p.m. or 9 p.m., and on whether the Saturday hours should be 8.30 a.m. to 12.30 p.m. and 7 to 8 p.m. or 8.30 a.m. to 1 p.m. and 7 to 8 p.m. The expenses of the meeting were met by the Guild, and a collection was taken among those present on behalf of the British Pharmacists' Appeal Fund, £8 5s. 6d. being realised.

Cod Liver Oil Plentiful in Canada.—There is no shortage of cod liver oil in Canada today, according to Mrs. Phyllis Gregory Turner (economic adviser to the War-time Prices and Trade Board and technical adviser to the Oils Administrator). The Dominion is even exporting substantial quantities. Mrs. Turner points out that there are now five cod liver oil refining plants on the east coasts, producing refined medicinal tested cod liver oil. Feeding oils for poultry and livestock have actually gone down in price because of the development of a new Canadian refinery on the west coast. This produces a blend of pilchard, herring and salmon oils, fortified with highly potent vitamin oils. Canada is now supplying about half Great Britain's vitamin A requirement, and vitamin A oils from the west coast are being used to fortify margarine for use in Britain.

Civilian Health in Italy.—An Italian correspondent to the "Manchester Guardian" (February 10) gave the following description of the public health position in Italy at the present time:—

Undernourishment and cold have had bad effects on public health. The incidence of pneumonia and typhus has greatly increased, and the danger is made worse by shortage of medicaments. A few weeks ago a German medical mission headed by Dr. Conti, the Reich Minister of Health, visited Italy to study conditions, but could promise little relief, as Germany herself is short of medicaments. A recent order issued by the Fascist Union of Physicians enjoins strict economy in the use of iodine, castor oil, camphor, vaseline, and other medical materials. The most serious effects arise from the lack of genuine quinine. For several years before the war Italy had restricted imports of quinine in order to save foreign exchange. It was fortunate for the Italian people that the campaign in malaria-ridden Albania did not last through the whole summer, but even so many soldiers were affected.

Drugs for German Airmen.—The "Deutsche Medizinische Wochenschrift" devoted the major part of two December 1941 issues to a consideration of the effects of prolonged fatigue on health. The articles conclude:—

"Plentiful relaxation and nothing else can remove the effects, often very far-reaching, of sustained fatigue. All attempts to do so by the use of such stimulant drugs as benzedrine and pervitin have utterly failed. Typical is the case of a certain Luftwaffe doctor, cited by Eichholtz in another article. The Luftwaffe doctor relates that he had, without apparent harm, twice swallowed two tablets of the pervitin which is frequently prescribed in the Luftwaffe, but that after the third time he suffered such frightful mental disturbances that he swore never again to touch this drug. The observation, made with increasing frequency, that the use of such drugs has not only led to total collapses but inculcated drug-taking habits is more and more strengthening the resolve of doctors to refuse to use such methods in combating fatigue."

TOPICAL REFLECTIONS

Trade Committee's Interim Report

The Second Interim Report of the Retail Trade Committee, to which you refer on pp. 165 and 169, is a full and businesslike survey of the situation the Committee was set up to examine. The Committee's First Interim Report, published three months ago (*C. & D.*, November 15, 1941, p. 212), resulted in the issue of the Location of Retail Businesses Order, 1941, designed to prevent "snatch" competition. As you point out, the present document, though much more detailed, makes no specific recommendation. That stage will be reached after the further information envisaged in the report has been obtained. The responsibility of trade organisations in contributing this information is emphasised by the Committee in unmistakable terms: "Much will now depend upon traders themselves and their representative organisations. . . . It will now rest with them to proffer advice and to assist us in deciding on such measures of alleviation as will provide a general setting within which individual businesses . . . can initiate in timely fashion the necessary, if painful, processes of adjustment to severely contracting trade." In these sentences, as elsewhere, the Committee takes an entirely practical view of the prospect confronting retail trade, and in particular the prospect for what it calls the "unit shop." It is accordingly incumbent on the organised trades within the purview of the Committee (the coal trade and a few others are excluded) to make strenuous efforts to supply, when requested, all relevant information; for, as you remark, war-time restrictions are usually continued for a time after the declaration of peace and may even become permanent.

Pressing Problems

Of the numerous groups of facts and problems accumulated by the Committee I may refer to three. The first is the withdrawal of labour by the primary demands of war. The factor of lost experience, the Committee states, is of vital importance in assessing the problems ahead. While "there has been some re-engagement of older staffs previously employed," it is apparent that, in the main, "substitution has to come from other and quite inexperienced sources." The second is what is termed "the deterioration in the retail economy": emptying shelves mean reduced trade, with "a deadweight of stationary expenses. . . . As the months pass and as the squeeze of control and contraction takes full effect, we foresee the development of a serious situation in widespread form." The third is the drawbacks inherent in the policy of "marriage" already advanced in respect of certain small business. These are classified thus: (*a*) "The fellow retailer is probably a competitor for very much the same type of custom." There is thus a tendency "to submerge the identities of the separate businesses and more particularly of the incoming business." (*b*) "There is the difficult and personal matter of adjustments between different outlooks, different buying associations, different policies and systems." (*c*) "The business that transfers may still be saddled with the continuing liabilities attaching to the premises it has left." For further details of these drawbacks the report should be consulted. It affords a good example of thoroughness.

Unusual Poisonings

While it may be the case, as suggested at a recent inquest (p. 176), that records of the fatal poisoning of an infant by a drachm of wintergreen oil are scarce or non-existent, the matter is complicated by the fact that of late years methyl salicylate has to a great extent displaced oil of wintergreen in medical practice; poisoning by the oil is therefore likely to be attributed to its active constituent. I notice, for instance, that whereas the last record of death from wintergreen oil in your annual statistics of poisoning for England and Wales occurred in 1923, there were during the next twelve years eighteen accidental and seventeen suicidal deaths from methyl salicylate. To trace the details of each of these cases would be an onerous undertaking. Pharmacists in business will be wise to bear in mind the possibility of poisoning by unusual substances, and to remember cases like that mentioned on p. 176: it may bring them useful kudos from time to time. Many years ago I was consulted (if that is the right word) by a medical practitioner whose young son had just swallowed some crystals of sodium hyposulphite: the doctor wished to confirm his view that hypo was not sufficiently toxic, even for a young child, to worry about. Occasionally we read of a death from some unlikely substance; there has probably been a contributory factor in such a case.

Xrayser

COMPANY NEWS

STAFFORD ALLEN (SPICES), LTD. (P.C.).—Capital £10,000. Objects: To carry on business as manufacturers of and dealers in spices, herbs, crude and refined oils, essences, chemicals, chemical products, etc. First directors to be appointed. Solicitors: Stephenson, Harwood & Tatham, 16 Old Broad Street, London, E.C.2.

E. MELLA, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a manufacturer of and dealer in perfumes, beauty preparations, etc., carried on by Ernest Mellà at Meredith's Yard, Clapham Crescent, London, S.W.4. Ernest and Huguette Mella, directors.

HODGKISS (HARROW), LTD. (P.C.).—Capital £100. Objects: To carry on business as wholesale and retail chemists, etc. William G. Carter, M.P.S., and Lily Carter, both of 114 High Street, Northwood, Gilbert T. Hodgkiss, M.P.S., and Sylvia C. F. Hodgkiss, both of 61 Station Road, North Harrow (R.O.), directors.

BEACH BROS. (DOVER), Ltd. (P.C.).—Capital £1,000. Objects: To carry on business as manufacturers, exporters and importers of and dealers in cork, etc. Percy W. Beach, Wilaine, Lower Hill, Barton Road, Heavitree, Willie Beach (address not stated), and William P. Beach, 21 Warwick Road, Heavitree, directors.

MILTON PROPRIETARY, LTD.—Profit for the year ended September 30, 1941, amounted to £49,072. Dividend, 12½ per cent., against 10 per cent. a year earlier.

BOOTS PURE DRUG CO., LTD.—Directors have declared a dividend on the ordinary shares for the half year to March 31 of 10 per cent., less tax, making 20 per cent. for the year. Directors state that, should it be decided to make a further dividend payment for the year, an announcement will be made when liability to taxation has been fully ascertained.

DELETED FROM REGISTER.—Notice is given in "The London Gazette" (January 27, pp. 460–461) that the following have, under the Companies Act, 1929, been struck off the Register of Companies: Carmac Laboratories (1938), Ltd.; Phantom Razors, Ltd.; and Scotts Pharmacy, Ltd.

VOLUNTARY WINDING-UP.—Meetings of members and creditors of Keans (Chemists), Ltd., will be held at the offices of Charles H. Baker & Co., 3 Alfred Street, Leeds, 1, at 11.15 and 11.45 a.m. on March 4, to learn how the winding-up has been conducted.

INSURANCE ACT DISPENSING

Liverpool.—Thirty-one chemists' shops in the city have been closed either because of enemy action or because of the difficulty in obtaining qualified staff.

Oldham.—A considerable decline in the number of prescriptions dispensed in the Insurance Committee's area is accompanied by an increase in the cost of ingredients of about 20 per cent.

Bournemouth.—Insured patients on the doctors' lists at the end of 1941 numbered 45,036, against 47,307 a year earlier. Shops registered for dispensing numbered 92 against 93. The cost of drugs and appliances supplied by chemists to insured persons up to the end of November 1941 was £8,578. The total charge for 1940 was £4,915.

Falkirk.—The number of insured persons in the burgh entitled to medical benefit at January 1, 1942, was 15,831, against 16,379 a year earlier. Prescriptions issued totalled 22,302, against 24,954 in 1940. The amount paid to chemists was £1,705—an increase of £15 over the previous year. The increase is attributed to the increased costs and to purchase tax.

Lancashire.—During the September quarter of 1941 the County Prescription Bureau, which includes nine Lancashire boroughs and Westmorland county, dealt with 503,326 prescriptions, costing £23,109 (cost of ingredients, £13,922). The corresponding figures for 1940 and 1939 respectively were 521,253 and 555,922 (costs £21,659 and £20,430). The total average cost per prescription was 11·02d., against 9·97d. in 1940 and 8·82d. in 1939. Ingredients cost 6·64d. against 5·62d. and 4·49d. The average cost per insured person was 11·28d. against 10·37d. in 1940 and 9·71d. in 1939. Prescriptions issued by ten areas in North and East Lancashire in the quarter ended September 30 had an average drug cost per insured person at Barrow of 8·38d.; Bolton, 9·53d.; Rochdale, 10·56d.; Preston, 10·75d.; Burnley, 11·15d.; Westmorland, 11·22d.; Oldham, 12·08d.; Bury, 12·85d.; Blackpool, 12·99d.; and Blackburn, 13·10d.

REMINDER

You can help the war effort by regularly collecting all your paper, cardboard, packing and wrapping materials and handing it over to your local waste-paper merchants or local Council.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the Executive of the National Pharmaceutical Union and Chemists' Defence Association were held at 4–5 Queen Square, London, W.C.1, on January 27 and 28, Mr. A. Dobson in the chair. Messrs. Atkins, Atkinson, Battershill, Brocklehurst, Bryan, Davies, Dobson, Evans, Forster, French, Hague, Hearle, Heseltine, Marshall, Melhuish, Stearn, Steinman, Tristram and the secretary were present. The chairman conveyed to the members of the Executive his greetings and best wishes for the New Year and said that it was with sorrow that he had to report the death of Mr. W. I. Scholes, which had occurred within a very few hours of their last meeting. The Executive expressed appreciation of Mr. Scholes's valuable service during his long association with local pharmaceutical matters and also his work as a member of this Executive Committee, and the members rose for a few moments as a token of respect.

Drug Trade Bodies

The Executive considered several matters arising out of the formation of the proposed Drug Trade Council, together with a report on a preliminary meeting that had been held on December 8, 1941. The secretary reported receipt of two letters from the secretary of the Pharmaceutical Society regarding the relationship existing between the N.P.U. and the Pharmaceutical Society. It was resolved that a reply should be sent to the Council of the Society accepting their suggestion, provided this was coupled with a reaffirmation by the Council of the original arrangement made between the Society and the N.P.U. when it was formed, and also a definite statement that the Council would be prepared to leave the final decision in all trade matters affecting pharmacists with the N.P.U. Executive. Matters for the consideration of the Liaison Committee were also discussed.

Secretary's Report

Other matters dealt with in the secretary's report included the distribution of powdered glucose, the Saccharin Control and Sugar Confectionery Orders, rationalisation of delivery services in the retail trades, distribution of cod liver oil and fruit juices and the marketing of black currant purée. Correspondence was received from the Board of Trade and the Ministry of Health regarding the Location of Retail Businesses Order, 1941, and it was resolved that a letter should be sent to secretaries of Pharmaceutical Committees asking them to submit to the N.P.U. local inquiries regarding application of the Order. The report on the Air-raid Assistance Fund for the five months ended November 30 showed that 4,160 members were in benefit, and that claims during the past month had been exceedingly light. A report on the N.P.U. War Distress Fund showed that contributions to the fund up to January 20 amounted to £17,906, and that distress allowances totalling £25 each week were being made to nine chemists. Three members who had been compelled temporarily to convert their businesses into drug stores owing to war conditions submitted requests to be allowed to retain the benefits of membership: permission was granted in two cases.

Branch Resolutions

A resolution from the Carnarvonshire Pharmaceutical Committee asking for action to be taken to prevent pharmaceutical supplies being made to those businesses which did not supply drugs, etc., prior to September 1939, was received. The Isle of Thanet, Bath, and Bridgend Branches of the N.P.U. submitted resolutions regarding the delegation of business interests of pharmacy to the N.P.U. The Executive also considered matters regarding the Clearing House and the introduction of a scheme for the clearance of receipted statements.

National Health Insurance Affairs

A chemist in Broadstairs submitted a suggestion and the Isle of Thanet Branch a resolution regarding remuneration of chemists for N.H.I. dispensing. A letter received from the Ministry of Health stated that normally, if a prescriber orders a preparation which the National War Formulary explicitly states should not be prescribed, the chemist is justified in dispensing the alternative indicated in the N.W.F. without reference to the prescriber in the event of his not being able to supply the prescription originally ordered. Other matters considered included N.H.I. prescription disallowances and checking.

Chemists' Defence Association

The monthly report to the directors on outstanding claims indicated that seven claims (arising from personal injuries

alleged to have been caused by preparations supplied by members, damage to customers' clothing whilst on members' premises, and shop window broken as a result of an accident involving a cycling errand boy) had been settled. Twenty cases were outstanding. Cases in which legal defence had been provided during the previous month included two under the Food and Drugs Act, and one each under the Pharmacy and Poisons Act, 1933, the Prices of Goods Act, the Lighting Restrictions Order, and the Dangerous Drugs Act. The Police Court proceedings under the Dangerous Drugs Act had been taken as a result of the key being left in the lock of the Dangerous Drugs cupboard on a member's premises; an appeal against the amount of the fine (£25) had been entered in a higher Court, and this had resulted in the reduction of the fine to £5.

Legal advice was given upon a number of subjects, and four free analyses were undertaken under the "free" arrangements.

Chemists' Friends Council

A meeting of the C.F. Council was held at 4–5 Queen Square, London, W.C.1, on January 20, the president (Mr. J. Hearle) in the chair. The president welcomed to the Council Mr. R. I. C. Money, representing A. De St. Dalmas & Co., Ltd., who had been elected to fill a vacancy caused by the resignation of James Woolley, Sons & Co., Ltd. The Council considered applications from manufacturers for the inclusion of their names in the C.F. list; of these one was deferred to enable further particulars to be obtained, and the other, submitted by Gale, Baiss & Co., Ltd., London, was accepted. An application by another firm for the addition of a further product to the schedule of their existing C.F. agreement was not granted.

War-time Pharmaceutical Products

The Council considered the position of firms which were manufacturing special war-time pharmaceutical products and which wished to include these products in the C.F. list. It was resolved that, if the manufacturers concerned were not already members of the C.F. Association, they should be asked to sign the standard form of agreement for the full period of seven years, with the Schedule to that agreement amended to cover only the product or products under consideration. The secretary reported that applications were being submitted for the addition of National rose-hip syrup to the C.F. list. This product was being manufactured under the control of the Ministry of Health by nine firms, of whom five were already members of the Association. It was resolved that firms which were not already included in the C.F. list should be accepted as members on the terms already agreed upon for manufacturers of special war-time pharmaceutical products. It was also agreed that approved C.F. wholesalers should be asked to confine their purchases of rose-hip syrup to C.F. manufacturers. Chivers & Co., Ltd., Histon, Cambridge, whose black currant purée had been accepted for inclusion in the C.F. list at the last meeting of the Council, reported that, after further consultation with the Ministries of Food and Health, arrangements had been made whereby it would not be necessary for the retailer to demand the production of either a child's ration book or a medical certificate when making sales of this product, provided satisfactory arrangements could be made whereby its retail sale would be confined to children and invalids.

C.F. Goods in Bazaar-type Stores

The Council considered whether any steps should be taken to prevent the sale of C.F. products by retail from stores of the bazaar type which had registered their premises in accordance with the requirement of the Pharmacy and Poisons Act, 1933. The matter was deferred for one month to enable all C.F. manufacturers to express their views thereon. Two applications for the maintenance of supplies of C.F. goods to businesses which had been temporarily converted into drug stores were considered but not accepted.

Mr. V. E. Blackwell (Genatosan, Ltd.) submitted the following suggestion for consideration: "That a select committee of the Council be formed to investigate all new products submitted for inclusion in the C.F. list, and that the recommendation of such a committee be brought before the Council when they are considering the inclusion of any new product." Owing to Mr. Blackwell's unavoidable absence due to severe weather, full consideration of this matter was deferred for one month.

The following members of Council were elected to the C.F. propaganda committee for 1942: Dr. S. Brook, Messrs. E. A. Brocklehurst, E. C. Cripps, R. C. Feather, J. Hearle, T. Heseltine, R. Peck and W. J. Tristram.

RECENT RESEARCH

Enteric Coatings.—In an examination of enteric-coated pills in order to determine their efficiency, Maney and Kuever ("Journal of the American Pharmaceutical Association," XXX, 10, 276) devised a method of testing the coatings *in vitro* and formulated a coating that showed a high degree of efficiency. The test method gave results comparable with those obtained by *x*-ray *in vivo*. The tablets tested were placed within an elongated tube containing the digestive fluid; the formula was:—

Sodium chloride	1·400
Potassium chloride ..	0·500
Calcium chloride	0·060
Hydrochloric acid 36 per cent.	6·944
Pepsin, U. S. P.	3·200
Distilled water, to make 1,000	

The tube, having an outlet for gas escape, was placed in a rack that could swing through an arc of 120°, and the motion was timed to approximately sixteen oscillations per minute (the exact number of oscillations being recorded on an automatic counter). The entire rack, containing the tubes, was immersed in a constant-temperature bath maintained at 37° C. Wide variations in disintegrating time were found in tablets on the American market, and the authors refer to the "fact that the alkalinity of the intestinal fluid and the rate at which the stomach empties cannot be relied upon."

The formula of the enteric coating suggested by the authors is:—

	Per cent.
Myristic acid	68
Opal wax	25
Castor oil	2
Cholesterol	1
Sodium taurocholate ..	4

Washable Ointment Base.—Work directed at preparing a non-oily, water-free base, from which the therapeutic agent would be readily absorbed from the area to which it was applied, has been carried out at the University of Iowa by Sorg and Jones ("Journal of the American Pharmaceutical Association," practical pharmacy edition, II. 10.400). A base prepared to the formula given was found to be easily prepared. It had a white, velvety appearance, spread excellently, washed off easily, did not develop graininess, and had a breaking temperature above 40° C.

Glyceryl monostearate ..	15 gm.
Cetyl alcohol	15 gm.
Glycerin	35 gm.
Diethylene glycol	35 gm.

The components were heated together until all the solid particles were melted. The mixture was then stirred slowly until cool. The base was used in preparing several official and non-official ointments; all the products were of good appearance when freshly prepared, although on standing ointments containing boric and salicylic acids became unfit for use. Tannic acid caused a slight softening of the base. Ointments containing ammoniated mercury, phenol, tannic acid and zinc oxide with ichthyol showed a greater antiseptic potency when prepared with the proposed base than when the corresponding United States Pharmacopœia bases were used.

Mercury in Organic Compounds.—An iodometric procedure for the determination of mercury in organic compounds is suggested by Sloviter, McNabb and Wagner ("Industrial and Engineering Chemistry," Analytical Edition, 1941, II, 890). The authors base their method on Rupp's technique, but believe that the high results obtained by the latter method are probably due to reduction of some iodine by formic acid produced from formaldehyde during precipitation of mercury or by Cannizzaro reaction in the initially alkaline liquid. It is therefore necessary to remove mercury by filtration before it is determined iodometrically. Mercury can be precipitated similarly from alkaline solution of the double bromide, but in presence of dissolved salts in quantity the double bromide becomes too unstable to prevent precipitation of mercuric oxide upon addition of alkali. Mercury is precipitated in such condition as to be both filterable and rapidly dissolved by action of bromine by addition of hydrazine sulphate to the alkaline solution of the double iodide, and it is kept in this condition during the operations of filtration and washing by presence of some precipitated basic magnesium carbonate. Bromine is preferable to iodine for re-solution of the separated mercury, as it acts more rapidly and avoids the visual difficulty in detecting minute particles of undissolved metal in the liquid coloured by excess iodine.

Additions to Black List.—The Trading with the Enemy (Specified Persons) (Amendment) (No. 2) Order (S.R. & O., 1942, No. 147), which came in force on February 11, contains 705 additions to the black list of traders in neutral countries with whom it is unlawful to have dealings of any kind. Copies are obtainable from H.M. Stationery Office.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

THE monthly meeting of the Council of the Pharmaceutical Society was held at Derby on February 3 and 4. Those present were the president (Mr. W. Deacon) and vice-president (Mr. W. S. Howells), the treasurer (Mr. H. W. Wallis), Mrs. J. K. Irvine, Sir Malcolm Delevingne, Sir Walter Langdon-Brown, Messrs. J. T. Appleton, C. Davis, J. H. Franklin, J. Jack, G. R. Knox Mawer, J. F. McNeal, A. R. Melhuish, E. S. Peck, P. F. Rowsell, H. C. Shaw, H. Skinner, F. G. Wells, B. A. Williams, F. C. Wilson and J. C. Young, with the secretary and registrar (Mr. H. N. Linstead).

Tuesday's Session

Among the matters included in business transacted at the Tuesday Session were the following:—

Drug Trade Council

An invitation was received from the National Pharmaceutical Union to appoint two representatives of the Society to the newly formed Drug Trade Council. The invitation was accepted and Mr. W. S. Howells and Mr. F. C. Wilson were appointed to serve.

Council Election

It was agreed to apply for an Order in Council under the Chartered and Other Bodies (Temporary Provisions) Acts, 1939 and 1941, for a postponement of the Council election from year to year during the period of the war on the same grounds as those advanced in connexion with the similar application last year.

Graduated Premises Fee

On the motion of MR. WILLIAMS the advisability of instituting a graduated premises registration fee was considered and a decision against such a course was taken.

Poisons Board

The Council took note of an Order-in-Council providing for the suspension of the requirements that the Secretary of State should consult the Poisons Board before making Poisons Rules in cases in which such rules appeared to him to be necessary or expedient owing to war conditions.

Amendment of the By-laws

A revised amendment of the by-laws to provide for the payment of registration and retention fees of premises registered under Section 1 of the Pharmacy and Medicines Act, 1941, was read a third time, the original amendment having contained a drafting defect.

Wednesday's Proceedings

Registration

Apprentices or students registered during January were reported to have numbered forty-nine. Names of eighteen pharmacists removed from the Register prior to 1942 were restored, as were those of two serving in His Majesty's Forces. Application for restoration of one premises was also granted.

Privy Council Nominees

Notification was received that the Privy Council had reappointed Sir Malcolm Delevingne, Sir Walter Langdon-Brown and Professor Dilling as additional members of the Council till January 28, 1946.

Greetings

Greetings were received from the Pharmaceutical Society of Australia and the Gold Coast Society.

Movement of Pharmacists

The Sheffield and District Branch forwarded a resolution expressing the view that the time had arrived for control of the movement of pharmacists, and that they should be unable to move without consent. This was referred to the Central Pharmaceutical War Committee.

Retiring Councillors

THE SECRETARY reported that the following members of the Council were due to retire in May: Messrs. Franklin, Mawer, Melhuish, Parry, Rowsell, Wells, and Young.

Additional Examiners

The Council were informed of the appointment of the following as additional examiners: *England and Wales*, Edwin Denis Hoare, M.A., M.D., B.Ch., and Professor John McLean Thompson, M.A., D.Sc., F.L.S., F.R.S.E.; *Scotland*, Carl Hamilton Browning, M.D., F.R.S., Robert Campbell Garry, M.B., Ch.B., D.Sc., F.R.S.E., Thomas Stewart Patterson, D.Sc.,

Ph.D., and John Read, M.A., Sc.D., Ph.D., F.R.S.

Pharmacy as a Career

Having reconsidered their recommendation concerning "Some Notes on Pharmacy as a Career," the Education Committee has decided to send a letter to the principals of all approved secondary schools in Great Britain inviting them to apply on a form to be provided for a copy of the publication, which would then be supplied to them without charge. A request had been received from a pharmacist in business for the study notes circulated to prisoners of war. The Committee resolved to reply that they were unable to comply, but THE CHAIRMAN (Mr. Rowsell) withdrew this paragraph in their report.

Prescriptions in the Ph.C. Examination

The Education Committee also reported that at the request of the Council the Boards of Examiners for England and Wales and for Scotland were asked to consider what further arrangements, if any, should be made in the pharmaceutical chemist qualifying examination for the interpretation of prescriptions and the translation of Latin prescriptions into English. The following recommendations had the support of both Boards: (*a*) That arrangements be made for candidates taking dispensing in the pharmaceutical chemist qualifying examination to be examined orally upon the interpretation of prescriptions and the translation of Latin prescriptions into English during the practical examination in dispensing; (*b*) that this change be introduced in the July 1942 and subsequent examinations, and that due notice of it be given to the schools concerned.

Reservation from Military Service

THE SECRETARY reported that he had arranged an interview with a representative of the Ministry of Health and with the heads of the pharmacy departments of certain institutions to discuss the reservation as pharmacy students of men who were studying for the pharmaceutical chemist qualifying examination, but had passed the chemist and druggist qualifying examination at the end of the first year of the two years' course.

Benevolent Fund

The list of subscriptions to the Benevolent Fund from local branches during 1941 was headed by Cheltenham with an average of 14s. 11d. per member, Cardiff coming second with 11s. 4d., Huddersfield third with 11s. and Doncaster fourth with 10s. 6d. Drawing attention to the fact that the total contributions to the Fund, amounting to £2,681, were £380 less than in 1940, THE TREASURER expressed the hope that an extra effort would be made to effect an improvement.

Careful Estimating

From the report of the Finance Committee it appeared that receipts to December 31, 1941, totalled £71,132, compared with an estimate of £68,150. THE TREASURER remarked upon the carefulness and accuracy with which the estimate was prepared, and said he hoped this year's estimate of £65,700 would prove equally correct.

Evening Meetings

As, owing to an accident, Dr. Philip Hamill was unable to address the February evening meeting, the Organisation Committee has given instructions that an additional meeting should be arranged in April, Dr. Hamill should be asked to speak at either this or the March meeting and, if he chose the latter, a series of short papers should be delivered in April.

British Pharmaceutical Conference

The Conference Executive had agreed that the 1942 conference should be held in London on July 22. This period was selected in order to avoid clashing with the Society's examinations and with the times when pharmacy schools would be in session, and also to give research workers time to prepare science papers and the opportunity to attend to read them. The Organisation Committee had fixed the branch representatives' meeting for the afternoon of the conference and had provisionally decided to reserve the following morning for a further session.

Council Policy

In view of the setting up of the Planning Committee the Organisation Committee intimated that they did not propose to take any further action for the moment in regard to the resolution that the Council should consider its policy and particularly its long-range policy. The minute was passed.

Organisation of Apprentices

The Sheffield Branch reported the formation of a local organisation of apprentices and students. Welcoming this, the Organisation Committee expressed the hope

that the branch would be able to see its way to make some grant towards the activities of the new body, and offered a reminder of the arrangement whereby a copy of the B.P. Codex was available for presentation yearly to a student associate.

War Aid

Returns were presented showing that at January 31 the War Aid Fund stood at £19,820, of which £4,392 was in response to the president's latest appeal. Attention was drawn to the continuous support received from the Blackpool Branch, which with the assistance of a Ladies' Committee had contributed £214, and from the West Riding Pharmaceutical Committee, which had contributed £120. THE PRESIDENT said he was extremely grateful to these branches, which set an example to others. The amount expended in grants from the fund was £1,312. Four members of the Society and a student were prisoners of war. It was decided that a parcel costing approximately 5s. be sent every month to each of these, and that Dominion pharmacists who were prisoners of war should be included in any benefit schemes. The study notes scheme had also been put into operation. Money collected by the Council of the Canadian Pharmaceutical Association for a memorial to the late Dr. R. J. B. Stanbury was to be handed over to the fund and would be earmarked for the purchase of books in which would be placed a specially designed book-plate.

MR. LINSTEAD AT WOLVERHAMPTON

AT a well-attended meeting of the Wolverhampton Branch of the Society, on January 27, presided over by the chairman (Mr. G. Pirie), the secretary of the Society (Mr. H. N. Linstead) said he was very pleased at the increasing interest taken in the work of the Society by members. He went on to explain the work of the Council, the events leading to the passing of the Pharmacy and Medicines Act, 1941, the position of man power in relation to the call up for the Services, etc. He explained that the Ministry of Labour could not expect to get many more men from the 30–40 age group without seriously interfering with the needs of the population.

Abuses of Business Location Order

Asked whose business it was to see that the Location of Business Premises Amending Order, 1941, was enforced, Mr. Linstead pointed out the difficulties of enforcement, and urged members to obtain exact evidence and send it to the National Pharmaceutical Union. It would be unconstitutional for a Government inspector to have the right of entry for the purpose of inspecting invoices unless a *prima facie* case had been made out. In reply to a question, "What future does pharmacy hold for the pharmacist and student?" Mr. Linstead said he thought the prospect good, if the pharmacist possessed the necessary qualifications of personality, stamina, etc.

Co-operation with the Government

Mr. Linstead thought that there were many occasions when it was a wise policy to co-operate with Government Departments, and that in these times more could be achieved by co-operation with them than by fighting them. Asked whether he personally considered the sale of medicine should be confined to chemists, both private and company, Mr. Linstead's reply was "No," but he went on to explain that he meant that chemists could not object to simple remedies (castor oil, fluid magnesia, etc.) being sold by isolated village stores in the highlands of Scotland, etc. There were peculiar difficulties (including the fact that the majority of pharmacists handled non-C.F. goods, and needed notice of price changes, etc.) in the way of excluding advertisements from the Society's paper, but in future the Council would aim at excluding advertisements from firms not directly connected with pharmacy. To questions on deferment, future prospects, the new building, the distribution of vitamin products, etc., put by Messrs. Brodie, Byron, Dyson, Rimmer, Scott-Compton, Shelley, D. R. Walton, and C. M. Warner, Mr. Linstead replied that he considered the pharmacist would eventually obtain all dispensing through further extension of the health services, and that Medical Officers of Health were interested only in distribution of vitamin products and not commercially, and that the remedy lay in pharmacists' taking action as ratepayers.

A vote of thanks proposed from the chair was seconded by the treasurer, Mr. C. M. Warner, and supported by a member from the Walsall Branch. A suitable reply from Mr. Linstead closed the meeting.

RESERVATION AND DEFERMENT

THE information given below regarding reservation and deferment has been issued by the Pharmaceutical Society of Great Britain.

Pharmacy Students.—The following new definition of pharmacy students has been added to the Schedule of Reserved Occupations to take the place of the entry in the Schedule as revised in December, 1941:—

> PHARMACY STUDENT.—A person who has been admitted or duly accepted for admission as a pharmacy student by a university, or a person who has been registered by the Pharmaceutical Society as an apprentice and has been accepted for or is undergoing practical training under approved articles of pupilage, or a person who has been registered by the Pharmaceutical Society as a student and has been accepted for or is engaged in a course of study, the nature and duration of which is approved by the Pharmaceutical Society, while he remains such a student or trainee and if under twenty-five years of age. All ages. The special conditions relating to the reservation of students laid down in the Schedule remain in force.

The above applies to students who registered on December 13 and subsequently. These persons will need to obtain a certificate from the Pharmaceutical Society stating that the student complies with the above requirements. A man should give the following details to the Pharmaceutical Society in this connexion: His name and address, the date of the receipt of his fee for registration as a student or apprentice and a statement from his principal or employer saying that he is either a student or apprentice and giving dates of commencement of his studentship or apprenticeship.

Central Pharmaceutical War Committee.—The Committee has asked district committees to submit the names of men whom they consider can be recommended for immediate enlistment. It is understood that in such cases the Society has approached the men concerned, explaining the position and giving them the opportunity of appealing against the recommendation. Appeals will be considered by the Committee and those who are not further deferred will be recommended for immediate enlistment. Men of the thirty to forty group who are not recommended for immediate enlistment will be given temporary deferment, so that the Committee can consider their cases carefully. By June 30 the Society will have completed matters relating to the deferment of the thirty to forty group. The recommendations made will be sent to the Ministry of Health when the age groups become de-reserved. Thus a man will not be called up until he is de-reserved. Men in the twenty to thirty group, whose deferment expires on March 18, are being reconsidered by the district committees with a view to further deferment. It is becoming increasingly obvious that very few men who are still in civilian pharmacy can be spared for military service, therefore a large proportion of deferment recommendations can be anticipated. It is understood that a large proportion of persons appeal against the Committee's recommendations for enlistment. The Committee has made representations to the Ministry of Health for the recognition of its machinery for the purposes of the Employment of Women (Control of Engagement) Order which comes into operation on February 16 and which governs the engagement of women between the ages of twenty and thirty-one, thus giving the Committee the status of an "approved employment agency" referred to in the Order. A reassurance has been given to the Society that so long as there are de-reserved pharmacists available such men will be posted to positions as dispensers in the R.A.M.C. A list is being kept by the Society of all pharmacists who do not obtain dispenser posts in the R.A.M.C. so that such men may have a later option of transferring to posts in the R.A.M.C. when the supply of pharmacists for the Army is exhausted.

UNPOPULAR PHOTOGRAPHY—"Certain constructors in Northern Ireland, employing Irish labourers, dismissed some of them, and told them to look in their pay envelope to see why. The envelope was found to contain a small photograph showing the man smoking, standing about, or playing cards. It may seem very smart and "snappy" in the double sense of the word, but unless there was some indication on the photograph of the time at which it was taken it was obviously of no value. . . . The camera used for detective purposes has always been a little bit ashamed of itself, but if the camera should be used to decide how hard people work we can think of nothing more likely to make photography unpopular."—"Amateur Photographer."

TRADE NOTES

Prices Reduced.—Ciba, Ltd., The Laboratories, Horsham, Sussex, announce that reduced prices for Coramine have been in operation since February 1. Details are given elsewhere in this issue.

Halmagon.—The makers, Tonicity Laboratories, Ltd., 16 Cedars Road, London, S.W.4, announce that ample supplies of the four-tube pack are now available from all wholesalers.

Splendor, Ltd., Nottingham and London, are from February 1, 1942, acting as distributing agents for Medipeat and Steepem products. Further details will be published shortly.

Tooth-picks.—Chemists who receive inquiries for tooth-picks are recommended to communicate with Keenes Laboratories, Ltd., 46 Elswick Road, Newcastle-on-Tyne, 4, makers of Keenes dental stimulators.

Chloride-free Salt.—The Antigen Laboratories, 95 Great Portland Street, London, W.1, announce that adequate supplies of Ruthmol chloride-free salt are available, and claim that an increasing number of medical practitioners are prescribing this preparation in cases where common salt is contra-indicated.

Return of Empties Now a Condition of Sale.—Owing to the shortage of cardboard railway containers, Macleans, Ltd., Great West Road, Brentford, Middlesex, have been compelled to make return of such empties a condition of sale. They should be folded flat and securely tied together with string for posting by parcel post.

Without Quota.—The makers of St. Clare liniment point out that there is no quota on this preparation, which has the advantages to users that it leaves no oiliness or stains, and is efficacious in hot baths and radiant-heat treatments. Orders should be sent to Biological Medical Products, Ltd., 204–06 Great Portland Street, London, W.1.

Relabelling Arrangements.—To conform with the requirements of the Food and Drugs Act, stocks of Elixir Jaffol should carry an additional label on the bottle and carton. Chemists who have bottles of this product in stock are invited to advise the makers, W. B. Cartwright, Ltd., Rawdon, near Leeds, how many bottles they have, when the necessary labels will be sent to them. Owing to shortage of raw materials new orders for Elixir Jaffol cannot be accepted.

Dye to Demonstrate Sweat Secretion.—The demonstration of sweat secretion by the use of quinizarin 2 : 6 disulphonic acid is described in the "Journal of Neurology and Psychiatry" (III, 3, 197). The compounded dye is applied to the area under investigation and a dark blue-violet colour, with the mouths of the sweat ducts as minute dark dots, indicates that function in that particular area is not impaired. Damaged areas remain light in colour. To meet this development Burroughs Wellcome & Co., 183 Euston Road, London, N.W.1, have introduced Wellcome brand quinizarin compound, containing 28 per cent. quinizarin 2 : 6 disulphonic acid. The preparation is available in bottles of 100 gm. and 250 gm.

Business Changes

THE RUBBER CONTROL offices were transferred on February 9 to Empire House, St. Martin's-le-Grand, London, E.C.1. Telephone: Clerkenwell 7931.

L. W. MUSSELL, LTD.—For health reasons, Mr. L. W. Mussell, M.P.S., has relinquished the managing directorship of the company's Liverpool concerns and placed them under the control of a general manager, Mr. J. F. Barnes, M.P.S. He will continue to act in a supervisory capacity.

MR. L. W. MUSSELL, M.P.S., has taken over the business of F. T. Roper & Daughter, 7 High Street, Kington, Herefordshire, which he is conducting independently of his Liverpool interests.

Proprietary Articles Trade Association

Alterations to Protected List.—*British Cod Liver Oil Producers (Hull), Ltd.* Seven-Seas brand cod liver oil, standard, 4-oz., 1s. 6d., 13s. 6d. doz.; 8-oz., 2s. 6d., 22s. 6d. doz.; 16-oz., 4s. 6d., 40s. 6d. doz.; concentrated, 1-oz., 1s. 9d., 15s. 9d. doz.; concentrated capsules, 25's, 1s. 9d., 15s. 9d. doz.; 50's, 3s. 3d., 29s. 3d. doz.

John Steedman & Co. In the interests of national economy the 1s. 1d. size of Steedman's powders is being withdrawn from the home market. Prices of this size will be published in the P.A.T.A. Year Book, 1942, for the reason that stocks will be in the hands of the trade for some considerable time ahead.

Hudson's Vegetable Leaflets (Agents: *Sangers, Ltd.*) 7½d., 4s. 9½d. doz., 57s. 7d. gross, tax 1s. 6d. doz., inclusive retail price, 9d. Less 3¾ per cent. for cash in seven days.

PERSONALITIES

COLONEL the RT. HON. J. J. LLEWELLIN, O.B.E., M.C., T.D., has been appointed President of the Board of Trade in succession to Sir Andrew Duncan, who becomes Minister of Supply.

DR. JOHN N. MCDONNELL, Assistant Professor of Pharmacy, Philadelphia College of Pharmacy and Science, and editor of the "American Professional Pharmacist," has accepted an appointment as head of the Health Supplies and Drug Division of the Bureau of Research and Statistics of the U.S. Government's Office of Production Management.

MARRIAGES

ARNOLD—HORGAN.—At the Honan Chapel attached to University College, Cork, on January 21, Richard Daniel Arnold, M.P.S.I., 40 Main Street, Arklow, co. Wicklow, to Monica Horgan, B.A.

ISHERWOOD — BLAGG. — At St. John's Church, Blackburn, on February 5, Sergeant Fred Isherwood, M.P.S., R.A.M.C., Walter Street, Blackburn, to Joan Blagg, Balaclava Street, Blackburn. The bride was given away by her uncle, Mr. W. Reynolds, M.P.S., Blackpool.

DEATHS

ADAM.—Recently, Mr. Charles Adam, M.P.S., 12 Ham Common Parade, Kingston-on-Thames.

BRIDGES.—Recently, Mr. Leslie Noel Bridges, M.P.S., 207 Barton Street, Gloucester, aged forty-eight.

COLLIS.—At Twickenham, on January 31, Mr. S. R. Collis, aged eighty-six. For over fifty years Mr. Collis was head warehouseman and afterwards representative on the East and North-east coasts for C. R. Harker, Stagg & Morgan, Ltd. He retired in 1931. He was the second son of John Collis, of Cheadle, who for some years represented Langton, Harker & Stagg in the Midlands, and was afterwards associated with the old firm of Pinch & Co., chemists, Bath.

EDWARDS.—Recently, Mr. John Griffith Edwards, Ph.C., formerly in business at 35c King Street, Guildhall, London, E.C.2. Mr. Edwards passed the Minor examination of the Pharmaceutical Society in 1894 and the Major in 1900.

ELLIS.—At a nursing home in Edinburgh, on February 6, Mr. William Ellis, 12 Nile Grove, a director of Pinkerton, Gibson & Co., Ltd., manufacturing chemists, 13 Queen Street. Mr. Ellis, who was a native of Edinburgh, was a prominent figure in the trade. He was a travelling representative for the firm with which he had been associated for over forty years. About twenty-nine years ago when the company was formed he was appointed a director. Mr. Ellis was also a director of the Commercial Travellers' Association. He had not been in good health recently, but continued to take a keen interest in the business.

FISHER.—Recently, Mr. Frederick Stanley Fisher, M.P.S., Ridgeways, Potters Crescent, Ashford, Kent. Mr. Fisher passed the Qualifying examination of the Pharmaceutical Society in 1929.

FORSTER.—On February 4, Mrs. Isabella Forster, Ph.C., the wife of Mr. W. Forster, Ph.C., 30 Church Street, Seaham.

JONES.—Recently, Mr. Humphrey Richard Jones, M.P.S., Castle Street, Llangollen, aged sixty-seven.

ROBERTS.—At Chester, on January 28, Mr. William Roberts, M.P.S., Brook Street, aged seventy-eight.

RECENT WILLS

MISS FLORA MITTEN, Ph.C., Culver Croft, Hurstpierpoint, Sussex, who died June 13, 1941, left £2,988, with net personalty £2,355.

MR. HERBERT WHITE, M.P.S., 590 Old Chester Road, Rock Ferry, Birkenhead, who died on November 3, 1941, left £19,547, with net personalty £18,250.

MISS MARY HELEN WHAYMAN, M.P.S., (chief pharmacist at Croydon General Hospital), whose death resulted from enemy action in May 1941, left £1,308, with net personalty £1,274.

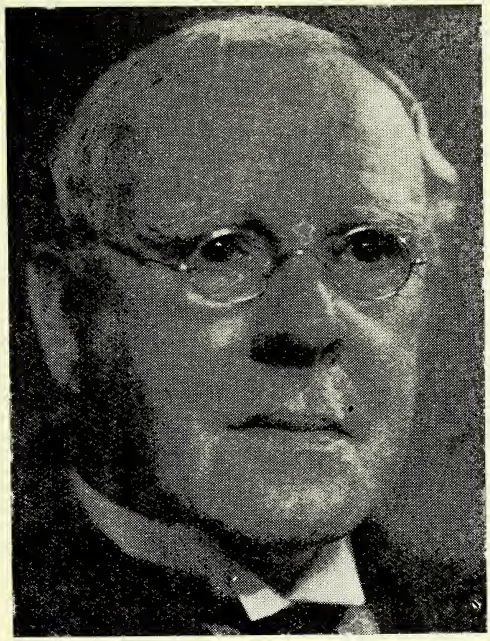
MR. WILLIAM SMART, J.P., 2 Kirkland Walk, Methil, Fifeshire, late Provost of Buckhaven and Methil, retired chemist, who died on October 1, 1941, left personal estate in Great Britain valued at £4,432.

MR. JOHN HAMER SUTCLIFFE, O.B.E., 9 Mount Grace Drive, Lilliput, Parkstone, Dorset, for many years secretary of the British Optical Association, and Registrar of the Joint Council of Qualified Opticians, who died on October 24, 1941, left estate of the gross value of £8,896, with net personalty £5,157.

THE LATE MR. WILLIAM KIRKBY

We regret to announce that the death occurred at 60 Woodbridge Road, Knowle, Bristol, 4, on February 5, of Mr. William Kirkby, M.Sc., Ph.C., aged eighty-two.

Mr. Kirkby was born in Manchester, but at an early age removed to Sheffield, where his father, William Kirkby, carried on business as a chemist and druggist. He was apprenticed with his father, and afterwards attended the School of Pharmacy of the Pharmaceutical Society of Great Britain at Bloomsbury Square, London, in the session 1880–81. He passed the Minor examination in 1881, and a year afterwards became a pharmaceutical chemist. In the Council prizes competition in 1882 he obtained the Pharmaceutical Society's silver medal. Mr. Kirkby was with Wright & Barnaby, Oxford Street, Manchester, for a time but in 1886 joined the staff of Jewsbury & Brown, manufacturers of mineral waters, Ardwick Green, Manchester, of which firm he became chief chemist. In this position he specialised to a high degree, and as an instance of this may be mentioned his book, published in 1902, on the evolution of artificial mineral waters—a complete account of the origin of aerated beverages. It was Mr. Kirkby's experience in the analytical department of Messrs. Jewsbury & Brown that helped, in 1900, to track the cause of the alarming arsenical beer poisoning which occurred that year. He, with Dr. T. N. Kelynack, published an account of the epidemic, the authors showing that arsenical sulphuric acid used in the manufacture of the glucose employed in beer was the cause of the arsenical contamination. He himself gave evidence before the Royal Commission on Arsenical Poisoning. In 1890 Mr. Kirkby was appointed lecturer in pharmacy to Owens College, Manchester, and later became lecturer in pharmacognosy, a position he occupied for eleven years. He helped greatly to bring about the institution at the Manchester University of the B.Sc. degree wherein pharmaceutical subjects are recognised as a substantial part of the qualifying course of studies. The University recognised Mr. Kirkby's services to education by conferring upon him the honorary degree of M.Sc. His connexion with the university brought him in contact with the late Professor D. J. Leech, M.D., who was chairman of the Pharmacopœia Committee of the General Medical Council, and, with Dr. Leech, several pharmaceutical researches were undertaken. His services as referee are acknowledged in the preface to the Indian and Colonial Addendum to the British Pharmacopœia, 1898. He served also as a member of the Committee of Reference in Pharmacy, which assisted in the production of the British Pharmacopœia, 1914. Mr. Kirby was connected with the Manchester Pharmaceutical Association for many years, and had filled the office of president. His connexion with the British Pharmaceutical Conference dated from 1886, when he read a paper on "A False Pareira Brava." He was president in 1919. Mr. Kirkby was interested in literature, and our own columns have frequently borne witness to his expert knowledge on archælogical subjects.



The late Mr. William Kirkby, M.Sc., Ph.C.

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CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the *C. & D.*, c/o The Pitman Press, Bath, Somerset.

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Official organ of The Pharmaceutical Society of Ireland, The Pharmaceutical Society of Northern Ireland, The Chemists' and Druggists' Society of Ireland and of other Chemists' Societies in the Empire

VOL. CXXXVII FEBRUARY 14, 1942 NO. 3236

The fact that goods made of raw materials in short supply owing to war conditions are advertised in this paper or described in its editorial columns should not be taken as an indication that they are necessarily available for export.

Rationed Soap

THE decision of the Ministry of Food to ration soap was a closely guarded secret, but the possibility of such action will, no doubt, have been appreciated by chemists following the announcement some time ago of the introduction of standard-size packings. Details of the scheme are given on page 208 of this issue. The Ministry's intention is to save a fifth of the soap now used for domestic purposes while leaving industrial requirements practically untouched. The object of the rationing is to economise in the use of certain oils and fats, so that a greater part of the shipping space available may be allocated to safeguarding our edible fat rations.

Operation of the Scheme

In practice it is not anticipated that any serious difficulties will arise. Coupons will be surrendered for obtaining supplies of soap for personal and household purposes, but there will be no registration of consumers holding coupons, who will be able to buy from any retailer. Other consumers will be provided with buying permits and will be required to purchase from their present suppliers. Retailers who may still have in stock packs of soap other than the standard packs must estimate the weight of the non-standard packs and determine their coupon value by applying the appropriate ration. If a delivery of non-standard packs does not tally with an exact number of coupons, a tolerance of 10 per cent. is allowed. Coupons must be effectively cancelled (either in ink or indelible pencil) when a sale is made, and it should be borne in mind that soap should not be supplied against the Services' coupon marked "soap" except to personnel in uniform.

No special allocations of soap will be made to wholesalers or retailers to meet the buying permits held by their customers. Wholesalers and retailers will be supplied with soap by manufacturers generally on the basis of their pre-war purchases, adjusted according to the rise or fall in the population of the area they serve. Wholesalers and retailers themselves will not require any buying permits for the soap they require for distribution.

Drugs and Price Regulation

INQUIRIES have reached us during the past few weeks on the subject of what constitutes a "drug" for the purposes of the Prices of Goods Act, 1939. It will be remembered that under the Prices of Goods (Price Regulated Goods) Order, 1941 (*C. & D.*, January 10, p. 52), the word "drugs" was made the subject of a separate entry (No. 48) in the schedule to the Order, thereby removing any doubt that drugs were, in fact, price-regulated goods, and were consequently subject to the provisions of the Prices of Goods Act. Unfortunately for the smooth working of such an Order, many substances normally sold as "drugs" are widely used in industry for purposes in no way connected with their therapeutic effect, and it will be interesting to see how the price-regulation authorities propose to deal with the difficult situation arising from this fact. Briefly, the problem is as follows: When a substance that is normally sold as a drug, i.e., having some real or considered therapeutic effect, has also a well-established industrial use, will that substance be regarded as a drug in all cases, or will the use to which it is to be put be taken into consideration before any action is taken under the Prices of Goods

Act? Assuming the answer to the first part of the question to be in the affirmative, all substances which could be regarded as drugs would become subject to price regulation, irrespective of their use. Thus, a seller of camphor for use in the manufacture of an industrial product might be asked by the authorities to justify, under the Prices of Goods Act, the price charged to the industrial user, although by no stretch of the imagination could this particular camphor be considered a drug, although it could be used or re-sold as such if the buyer so desired. On the other hand, if the price regulation authorities decide that the use of the substance is to be the basis on which action may be taken, a seller may find himself faced with the onus of proving that the drug he is selling is, in fact, not a drug at all, or alternatively justifying the price according to the provisions of the Prices of Goods Act. Let us take the following hypothetical case: Dealer A receives a request from firm B for a supply of a product which is capable of use either as a drug or for industrial purposes and a sale takes place. Firm B thinks the price charged by dealer A is too high and complains to the Price Regulation Committee. The Committee, armed with the Order making "drugs" subject to price regulation, may ask dealer A to justify the price charged, i.e., to prove that his price has been calculated in accordance with the Prices of Goods Act. Dealer A, it would appear, has two possible courses of action, (*a*) he can justify the price, or, (*b*) he can prove that the substance in question was sold for purposes other than for use as a drug. The second defence, however, would fail if it were held that all drugs are drugs irrespective of their use.

A ruling to clear up this doubtful point should be forthcoming as soon as possible.

Pharmacists in Eire

THE Calendar of the Pharmaceutical Society of Ireland for 1942 which has recently been issued (see *C. & D.*, January 31, p. 131) reveals that on October 1, 1941, there were 1,505 pharmaceutical chemists on the Register. During the preceding twelve months fifty students qualified as Licentiates, while twenty-one pharmacists died during the same period. In view of the various warnings of overcrowding in the profession that have recently been made, it is significant to note that preliminary registrations during this twelve months' period reached the disproportionately high total of 205. Included in the total of 1,505 pharmaceutical chemists are ninety Licentiate Apothecaries. Of the 316 "chemists and druggists" originally registered only two now remain on the Register; they are Sir Stanley Harrington, Cork, and Mr. John McHugh, Strokestown, both of whom were registered in 1891. The number of Registered Druggists on October 1, 1941, stood at 469, including seventy-three who qualified as Pharmaceutical Chemists; only three new druggists were registered during the year. The number of qualified Assistants on the Register is 835, but this number includes 495 who subsequently obtained their full qualification, so that the actual number of Assistants is 340, of whom forty-one were registered during 1940.

"Diseases and Remedies"

THE importance to the chemist in business of a knowledge of diseases is self-evident. He cannot carry on as a pharmacist without being asked daily, and even hourly, by members of the public questions about disease or to supply some remedy for a simple disorder. The right of the chemist to undertake such work in his pharmacy has long been established. Therefore the announcement of the publication of a new edition of "Diseases and Remedies" will interest the majority of our subscribers and particularly those engaged in retail business. This book was originally published in 1898 with the object of providing for the pharmacist a manual which was neither a popular work on medicine nor a volume such as is intended for the medical profession. This basic principle has remained unchanged in this, the eighth, edition.

Although it is only six years since the previous edition was published, the tremendous strides made in medical research have necessitated complete revision and resulted in the addition of a considerable amount of new material including notes on such matters as chemotherapy, a chapter on infectious diseases (with tables giving

incubation periods, quarantine, symptoms and so forth), diet tables, while other monographs, for example those on insect bites poisonings and surgical and medical appliances, have been expanded where experience has shown that this was needed. Similar treatment had been meted out to formulas, but though many new ones have been incorporated it has been thought advisable not to omit all that might perhaps be described as old-fashioned. In the revision we have been assisted by an eminent medical practitioner and a pharmacist of wide experience. "Diseases and Remedies" may be obtained from the Publisher of THE CHEMIST AND DRUGGIST, The Pitman Press, Bath, price 9s. 6d. a copy, post free.

Antacid or Bunkum?

A CRITICAL article that appeared recently in the "Lancet" (January 31, p. 145) discussed the use of bismuth salts in medicine from the points of view of their effectiveness and their relative cost. From each aspect their use was condemned.

The administration of bismuth carbonate or subgallate in gastric conditions has the sanction of over a century of popularity and the approval of many standard works on therapeutics. Thus Bruce and Dilling, in "Materia Medica and Therapeutics," state: "In the stomach bismuth salts exert . . . sedative and astringent actions . . . by forming an insoluble coating over the mucous membrane, and protecting it from mechanical irritation and from the chemical action of the gastric juice." Not all régimes that originate empirically are proved wrong scientifically, but attributed actions like the first quoted are capable of being put to the test, and the "Lancet" points out that so long ago as 1928 radiologists reported finding that bismuth could be seen "in the lower pole of the stomach or diffused through its contents but never coating the ulcer." More recently investigations have been carried out which minimise the importance of the antacid properties of the salts of the metal. It is suggested by the "Lancet" that bismuth should be reserved, at least during the war, for its therapeutic applications of undoubted value (e.g. in syphilis) and its industrial uses.

NEW BOOKS

If They Are Gassed. 7½ in. × 5 in. Pp. 120. 5*s*. The Rudkin Press, Little Dormers, Nutfield, Surrey. [Written in popular style, this book is a useful guide to the symptomatic detection of poison gas. It sets out a grouping and analysis of the recorded symptoms of the known war gases, each obvious or main symptom being dealt with in a separate chapter. The routine to be followed in rendering assistance to a victim of poison gas is explained in a section headed "How to Use this Book."]

Barber, H. H. *Physiology for Pharmaceutical Students.* Second Edition. 8¾ in. × 5½ in. Pp. 526. 15*s*. Baillière, Tindall & Cox, 8 Henrietta Street, London, W.C.2. [The whole of the first edition of this well-known work has been revised, due consideration having been given to the modified regulations of the Pharmaceutical Society's examinations. About fifty additional pages and over thirty new illustrations have been incorporated into the present edition. Additional quantitative estimations of blood and urine constituents have been included to assist the pharmacist in biochemical methods used in chemical pathology.]

Lupton, A. W. *Aids to the Mathematics of Pharmacy.* Second Edition. 6½ in. by 4 in. Pp. 122. 4*s*. Baillière, Tindall & Cox, 8 Henrietta Street, London, W.C.2. [Much of the material of the first edition, published in 1930, has been retained in this volume, and sections on matters which received prominence by the introduction of the B.P., 1932, have been included. Thus the subjects of limit tests, biological assay and isotonicity have received detailed consideration. The book is primarily intended for students, but practising pharmacists will find it of considerable assistance in problems connected with dispensing and galenical manufacture.]

Grant, Julius. *Science for the Prosecution.* 8¾ in. by 5¾ in. Pp. 302. 15*s*. Chapman & Hall, Ltd., 11 Henrietta Street, London, W.C.2. [In treating his subject the author has adopted a style midway between a scientific approach, appealing only to specialists, and a popular style. The methods used in the fight of science against crime (*x*-rays, ultra-violet and other rays, chemical analysis, blood tests for paternity, psychological tests) are outlined in simple terms, and illustrated by appropriate examples.]

RATIONING OF SOAP

SINCE February 9 it has been permissible to buy soap only against a coupon or buying permit. The object is to economise in the use of imported oils and fats so that a greater part of the freight available may be allocated to the safeguarding of the edible fat ration. Shaving soap, scourers (abrasive soaps), liquid soap, shampoo powders and dental soaps will be free of the ration. Every consumer of soap for personal or household use will be entitled to use four coupons in a four-weekly period. Any one or all of the coupons may be used at any time within the specified four-weekly period (but not after). Consumers may buy their soap at any shop stocking the kind they require; there will be no registration. Each coupon will entitle the consumer to any one of the following quantities: 4 oz. hard soap (common household soap in bars or pieces), 3 oz. toilet soap, 3 oz. soap flakes or chips, 6 oz. soap powder No. 1, 12 oz. soap powder No. 2, or 6 oz. soft soap. The quantity indicated represents the weight of soap when manufactured. By the time it reaches the consumer it may have shrunk, but the shrinkage is due only to loss of moisture. The retailer will be told by the manufacturers which soap powders are No. 1 and No. 2.

Coupons

The coupons to be used are those in the frame at the top of page 15 of Ration Book Supplement R.B.9 (the yellow book). The specified four-weekly periods will be the same as for sugar, tea, etc., the first period therefore being February 9 to March 8. The coupons usable in that period are Nos. 29, 30, 31 and 32. For the second period, March 9 to April 5, coupons Nos. 33, 34, 35 and 36 must be used. Coupons Nos. 1–28 have no value. Consumers must produce their yellow book when buying soap and the retailer must cancel the appropriate coupons for every purchase. Travellers with travellers' facilities will use the frame of coupons at the top of the form issued to them in place of the Ration Book Supplement.

Standardisation of Size

To make the operation of the rationing scheme easier, the various types of soap are being made only in the following standard sizes: Hard soap in 4-oz., 8-oz. and 16-oz. pieces; also in long bars divided into sections of 4 oz. each; toilet soap in 3-oz. and 6-oz. tablets; soap powders in 6-oz and 12-oz. packets; soap flakes or chips in 3-oz., 6-oz. and 12-oz. packets (but also in bulk).

Members of the Forces

Holders of the Services Registration Card (R.B.8X) will use the frame of coupons at the bottom of page 4. The specified four-weekly periods and the numbers of the coupons will be the same as for the domestic consumer. Holders of leave or duty ration cards R.B.8 will use the coupons marked "Y" on page 2 of their cards; these coupons may be used only during the period for which the card is issued. Members of H.M. Forces living in shore establishments, camps or barracks will be provided by the Service authorities with a special weekly coupon marked SOAP/NAA, which has the same value as a civilian coupon. This coupon may be used at any time until otherwise notified, and must be kept by the retailer when a purchase is made. All coupons will be cancelled by the retailer; those marked SOAP/NAA being retained by the retailer.

Establishments and Business Purposes

Residential establishments will use the ration books of their residents for their purchases of soap. Catering establishments, institutions, public authorities and any other persons using soap in the course of their business for purposes not connected with a private household or residential establishment, e.g. laundries, offices, etc., must obtain buying permits. Applications should be made to local Food Offices for a permit application form. Private laundresses who take in washing are included in these arrangements.

Supplies for Seamen

Weekly seamen holding Ration Book R.B.6. (4B) will use the frame of coupons at "A" on page 11, the last green page in the book. The specified four-weekly periods and the numbers of the coupons to be used are the same as for the domestic consumer. Weekly seamen may also use the coupons for the following four-weekly period if they will be at sea during that period; the counterfoils must, however, in that case be signed by the owner or master of the vessel. Foreign-going seamen on shore will use an emergency card R.B. 7 or 7A marked M.S. which is valid only during the period for which it is issued. These cards will be

endorsed by the retailer with the word "soap" and the date of the last day of the week for which the soap has been purchased.

Wholesalers and Retailers

Wholesalers and retailers should apply immediately to the local Food Office for Soap Instruction No. 1 and Soap Instruction No. 2 (for retailers only). Wholesalers and retailers will not need any ration document in order to obtain their supplies. They will obtain them as in the past.

Non-domestic Users

Firms with a central buying organisation may make an application covering all their requirements to the Food Office of the area in which their central buying organisation is situated. Non-domestic users buying from more than one supplier must obtain a separate permit application from each supplier. Allocations of soap to all non-domestic buyers will be at the same rate as their consumption in the past six months. Owners of foreign-going ships will be able to obtain supplies of soap for each voyage of a ship for the use of passengers and crew on condition that they make a signed application to their supplier and state that the quantity required will be used solely for passengers and crew during the voyage. The applications must be endorsed by the Customs Officer. The Minister of Food has made an Order amending the Ships' Stores Control Order to include soap. From February 9 soap may only be bought or sold for consumption on any ship to the extent authorised by the Customs.

Licensing of Soap Manufacturers

From February 23 all manufacturers of soap, including those who buy soap base and process it into other forms of soap, will require a licence to carry on their business. Applications for licences should be made immediately to the Ministry of Food, Oils and Fats Division, Colwyn Bay.

Definitions

The Soap (Licensing of Manufacturers and Rationing) Order, 1942, contains the following definitions:—

ABRASIVE SOAP.—A soap product in any form prepared for polishing and scouring purposes, containing not more than 6 per cent. of anhydrous soap.

HARD SOAP AND TOILET SOAP.—Soap (other than abrasive soap, dental soap, dentifrice, liquid soap, shampoo powder, shaving soap, soap flakes or chips, soap powder, and soft soap) containing respectively less than 70 per cent. of fatty and resin acids (in the case of hard soap) and 70 per cent. or more of fatty and resin acids (in the case of toilet soap).

MANUFACTURE.—Includes milling and any other form of processing or treatment of soap.

No. 1 SOAP POWDER.—Soap powder (other than shampoo powder) containing more than 28 per cent. but not more than 56 per cent. of anhydrous soap.

No. 2 SOAP POWDER.—Soap powder (other than shampoo powder) containing more than 6 per cent. but not more than 28 per cent. of anhydrous soap.

Invoicing Requirements

Every manufacturer or other trader who sells any soap to any other trader (otherwise than for the purposes of further manufacture by him) is required to indicate in an invoice or other statement in writing, which has to be furnished by him to such trader at the time of or before the delivery of the soap, the factory net weight of the cakes, bars, tablets, or other packs in which the soap is so delivered, being, where such seller is not the trader who has subjected the soap to the last process of manufacture or in the case of pre-packed soap powder or soap flakes or chips, who has pre-packed the same, such weight as is indicated in the invoice or other statement furnished.

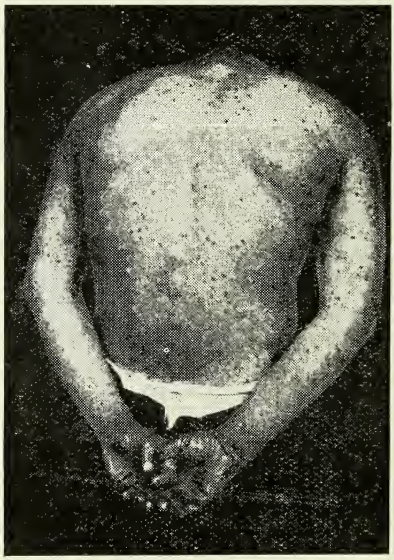
Records

Every person carrying on any trade or business (including any catering establishment or institution) in the course of which he manufactures, buys or sells soap must keep such books, accounts and records relating to the manufacture by him of soap or to the purchase, sale or use by him of soap as the Minister may from time to time direct; and must permit any person appointed by the Minister to enter and inspect, with a view to securing compliance with this Order, or with any subsequent Orders or directions, any premises used for or in connexion with that trade or business, and, in the case of a soap manufacturer, must permit such person to take samples of any soap wholly or partly manufactured, or any raw materials intended or which appear to such person to be intended for the manufacture of soap, on such premises. Every such person and every person employed in connexion with the trade or business carried on by him must, if requested so to do by, or on behalf of, the Minister, produce books, accounts or other documents relating to his business.

TYPHUS

A Pestilence of War

RECENT reports in the public Press and elsewhere have suggested that typhus fever, a pestilential disease that has dogged the footsteps of war for many centuries, has broken out on the German Eastern front, and may indeed become an important factor in the final outcome of the struggle. The type of typhus usually prevalent in Eastern Europe is transmitted from man to man by lice, and is caused by intracellular infection with certain Rickettsia bodies which have been found in the intestinal epithelium of lice taken from typhus cases. There would appear to be two possible routes of infection, either by the bite of an infected louse, or, more likely, through the louse excreta being scratched into the skin. In the second case it follows that typhus fever can be contracted by persons who do not themselves actually harbour lice, but there is no evidence that the disease can be transmitted by droplet infection or by human discharges. While typhus fever is endemic in Eastern Europe it is of extremely rare occurrence in England and, provided adequate precautions are taken, there is no reason to suppose that the contacts necessary for the transmission of the disease will ever be established on these shores, nor is it likely that the predisposing conditions—verminous infestation, overcrowding and destitution—will arise.



Typhus fever: showing characteristic macular and petechial eruption

Courtesy, Wellcome Museum of Medical Science

Typhus and War

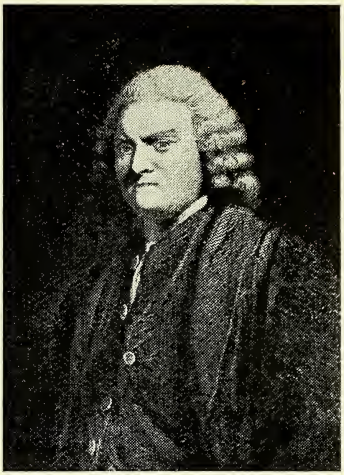
Typhus fever in epidemic form is essentially a disease of war-time, and during periods of famine when the predisposing conditions are all usually present in full measure. Epidemics during which a quarter or more of the patients have succumbed are not uncommon, but the mortality of the disease seems to vary considerably in different outbreaks. Typhus resembles typhoid only in name, but in this connexion it is interesting to note that the word "typhus" without further qualification in Germany may mean "typhoid," whereas in England it always means "typhus." It is true that in past wars more soldiers have died of disease than were killed on the field of battle or died of wounds, and many historical references can be found to pestilences that have resulted in the destruction of powerful armies, to say nothing of their devastating effects on non-belligerent populations. While the earlier references do not usually specify any particular disease, it seems clear from the records that many of the war and famine pestilences of antiquity and the Middle Ages were, in fact, typhus. During the Plague of Athens (430–425 B.C.), for example, the causative agent may well have been typhus. The first scientific account of the disease appears to have come from the pen of Fracastorius, who was able to observe the course of the disease during epidemics in Italy early in the sixteenth century. This writer described the disease as indigenous to Cyprus and neighbouring islands and appearing for the first time in Italy. Typhus epidemics occurred frequently during the early seventeenth

On left:

Girolamo Fracastoro (1484–1553): Described typhus fever in 1533

On right:

Sir John Pringle (1707–82), M.D., F.R.S.: Founder of modern military medicine; he left a good description of typhus



Illustrations on this page by courtesy of the Wellcome Historical Medical Museum

century in various parts of Central Europe, but were usually kept under local control. During the Thirty Years' War (1618–1648) typhus fever exacted a terrible toll from belligerents and non-belligerents alike. The disease "hovered over the armies like a malignant spectre," and prepared an inglorious end for thousands of valiant soldiers. Such is the effect of typhus fever in war. Many other references to outbreaks of the disease appear in the records, and in practically all instances the predisposing conditions of war: famine, lack of sanitation, the baneful effects of camp life, dirt and refuse, bad hospital conditions, etc., were present.

Attending the wounded in a hospital in Sebastopol (1855)

Napoleon's Russian Campaign

Many comparisons have been made in recent months between the present German designs on Russia and the ill-fated campaign carried out by Napoleon early in the nineteenth century, and it is not without interest to consider the part played by typhus fever in the first great retreat from Moscow. Napoleon's army of some 550,000 men was not entirely free from pestilence on the way to Moscow, and it is recorded that shortly after crossing the Polish border many of the soldiers were severely attacked by dysentery. Some cases of typhus are stated to have occurred when the army arrived at Vilna in July 1812, but the real spread of the disease appears to have commenced shortly after the Battle of Smolensk (August 14–18), when large numbers of soldiers were wounded. Moscow was entered on September 14, and there followed for the army a period of bad living conditions with very little to eat. The French were soon forced to withdraw from the city, which had been practically burned down by the Russians, and it is recorded that they left behind several thousand typhus patients. Before Smolensk was reached in the subsequent retreat to France about half of the soldiers who had started out from Moscow died, and typhus fever raged more and more extensively. The Russians, of course, were not immune to the disease, and it is estimated that they lost about 62,000 men from typhus during this short period.

Controlling Typhus

With the disappearance of conditions predisposing to the spread of typhus fever, the disease, with the exception of a few sporadic cases occurring from time to time, has disappeared from this country. In the territories where it is prevalent, however, it would seem that the only really effective method of control would be to limit the spread of the disease by the prompt delousing of patients and contacts. Delousing, however, can only be properly carried out under stabilised conditions, and as these are difficult to achieve in a modern war of rapid movement, the disease probably cannot effectively be checked in this way. More specific methods of prevention by means of active and passive immunisation have, of course, been suggested, and it is quite possible, for example, that immunisation campaigns have been carried out by the Germans. Vaccines for active immunisation have been prepared from the intestines of infected lice, guinea pigs and rats, and good results have been claimed from inoculation of persons who had been exposed to infection, although the vaccination method does not appear to be entirely free from risk. For passive immunisation, subcutaneous injections of human convalescent typhus serum have been tried, but the protection conferred by this means, although valuable, is transient.

TRADE MARKS

(*From "The Trade Marks Journal," January* 14, 1942.)

"SANOLENE"; for soap (3). By Cooper, McDougall & Robertson, Ltd., Ravens Lane, Berkhamsted. 616,384. (Associated.)

"STELLA"; for common soap (3). By W. Gossage & Sons, Ltd., Bank Quay Works, Liverpool Road, Warrington. 616,492.

"PINK TULL"; for toilet preparations (3). By J. Grossmith & Son, Ltd., 29 Newgate Street, London, E.C.1. B616,821.

"ESDRA"; for lipstick, toilet powders, toothpaste, shaving cream, soap, perfumery and toilet lotions (not medicated) (3). By S. D. Rand, 5–6 Argyll Street, London, W.1. 616,828. (Associated.)

"CALMIC"; for preparations for killing weeds and destroying vermin (5). By Calmic, Ltd., Lostock Grange, Westhoughton, Lancashire. 613,212.

"ELASTOPROOF"; for material prepared for bandaging; dressings and plasters for surgical or medical purposes (5). By T. J. Smith & Nephew, Ltd., Neptune Street, Hull. B615,489. (Associated.)

"DESOGEN"; for pharmaceutical, veterinary and sanitary substances, disinfectants and antiseptics (5). By J. R. Geigy Société Anonyme, also trading as J. R. Geigy, A.G., 215 Schwarzwaldallee, Basle, 16, Switzerland. 616,318.

"SEYATOME"; for bath salts (5). By Seyatome, Ltd., 6 Westminster Palace Gardens, Victoria Street, London, S.W.1. B616,818.

"ANDRAID"; for all goods (5). "SANTABS"; for menstruation appliances (5) (IV). By St. Andrew Mills, Ltd., 34 St. Andrew Road, Walthamstow, E.17. 616,993; 617,035.

"ANGOSTURA BITTERS" in device form including name "Dr. Siegert's"; for medicated bitters (5) and for alcoholic bitters (33). By Angostura Bitters (Dr. J. G. B. Siegert & Sons, Ltd.), 6 and 8 George Street, Port of Spain, Trinidad. 616,934/5. (Both Associated.)

"KEYBELLS"; for all goods (5). By F. W. Hampshire & Co., Ltd., Sunnydale Works, Sinfin Lane, Derby. 617,093.

"TRUEXA"; for mineral waters, etc., and for beverage preparations (32). By Brookes Lemos, Ltd., 1 Spencer Road, Salt River, Cape Town, S.A. 615,140. (Associated.)

CONVERSION OF SPECIFICATION

Section 36 (3) and Rules 6 to 8

To Schedule (IV) (with amalgamation): No. 225,005, by David Thom & Co., Ltd.

(*From "The Trade Marks Journal," January* 21, 1942)

"DANDOCK"; for chemical preparations for destroying dandelion and dock weed (5). By Kemtex, Ltd., Fairfield Works, Town Lane, Idle Bradford. 616,458.

"LAPUROL"; for industrial, scientific and agricultural chemicals other than weed killers), and chemical substances for preserving foodstuffs (1). By B. Laporte, Ltd., Kingsway, Luton. 617,184. (Associated.)

"REDUX"; for industrial adhesive substances (1). By Aero Research, Ltd., Duxford, Cambridge. 617,257.

Device of two links of a chain; for food colouring matters (2). By Cumming Parsons, Ltd., Top Lilley Street Works, St. Mary Street, Queen's Road, Manchester, 9. 616,742 (Associated.)

"SY-CLOR"; for pharmaceutical preparations consisting of or including a hypochlorite for use as disinfectants and germicides (5). By Pilgrim Products, Ltd., 18 Essex Street, Strand, London, W.C.2. 614,795. (Associated.)

"CRYSTOPLAST"; for chemical products used in industry (1). By F. Eisner, Ltd., 79 Lombard Street, London, E.C.3. 617,161.

"PERANDRETTES"; for capsules, pastilles, pills, tablets, lozenges, cachets and bonbons (5). By Society of Chemical Industry in Basle, 141–227 Klybeckstrasse, Basle, Switzerland. 617,154. (Associated.)

TRADE REPORT

Spot quotations for pharmaceutical chemicals, crude drugs and essential oils represent the prices for wholesale quantities of standard quality. C.i.f. quotations do not include marine war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, February 11

REPORTS to hand indicate that conditions in the London drug and chemical markets are about the same as those prevailing last week, business continuing on a modest scale, with prices generally firm. In PHARMACEUTICAL CHEMICALS little of interest has occurred, and prices are generally without quotable change. A steady routine demand has been received for ACETANILIDE. HEXAMINE is now controlled under the Control of Molasses and Industrial Alcohol (No. 14) Order, which makes a licence necessary for transactions in quantities exceeding in the aggregate 1 cwt. in any period of six calendar months. No change has yet been notified in the basic price of QUININE. TANNIC ACID remains firm.

Crude Drugs

Merchants report a moderately good business in these commodities, with the price position firm throughout and tending higher. Market business in AGAR has now declined to a low level. Offers of Curaçao ALOES are reported from source and from New York, but prices are high. BALSAM TOLU is firm and scarce. BELLADONNA appears to be unobtainable, but some root is expected shortly. A good demand is being received for Sumatra BENZOIN. BUCHU remains in poor supply, with no prospect of replenishments. Only small supplies of CAMPHOR are available to approved buyers. Chinese CANTHARIDES is wanted, but seems to have been cleared. No news has come to hand regarding Lease-Lend supplies of CASCARA SAGRADA. No movement has occurred in CLOVES, but the market for the distilled oil is easier (see Essential Oils). A better inquiry has been received for COLOCYNTH, but little is on offer. ERGOT is firm at about last week's prices. HYDRASTIS is another Lease-Lend article about which news is awaited. MENTHOL is selling slowly at high prices. The conditions of sale of MERCURY have been slightly amended by the Control of Mercury (No. 8) Order, 1942. RHUBARB continues in good inquiry. The treatment, use and consumption of crude RUBBER is now controlled by the Control of Rubber (No. 6) Order, 1942. Some SARSAPARILLA is reported on the way. SHELLAC business has been slow. Good supplies of SQUILL are now available.

Essential Oils

Reports indicate that there has been little activity in ESSENTIAL AND EXPRESSED OILS during the week, and values show practically no changes. ANISE (STAR) has been in good inquiry, but present prices are not likely to attract buyers. No supplies of CAJUPUT appear to be coming forward, and the spot price is consequently higher. Spot supplies of CEDARWOOD appear to be exhausted, and prices are nominal: there are no forward quotations. Shipment of Ceylon CITRONELLA is stated to be difficult, and spot prices are likely to be higher; with the possibility of shipments of Java oil being held up, spot prices are a matter for negotiation. The market for CLOVE is easier, but supplies are limited. LEMONGRASS is a shade dearer on spot. NUTMEG remains scarce. A moderate inquiry has been received for Chinese PEPPERMINT, and odd cases have been sold at high rates.

Exchange Rates on London

No movement has occurred in rates of exchange during the week. Bank of England fixed rates on February 11 include: New York, 4·03 dollars; Montreal, 4·45 dollars; Lisbon 100 escudos; Stockholm, 16·90 kroner; Zurich, 17·35 francs; Buenos Aires, 17·04⅜ paper pesos; Netherlands Indies, 7·60 florins. The official Madrid rate is still 40·50 pesetas and the free rate 46·44. The Chinese national dollar is at 3 1/16d.

Pharmaceutical Chemicals

ACETANILIDE.—Steady and in routine demand. Prices are unchanged at about 2s. 4d. to 2s. 6d. per lb., according to quantity.

ASPIRIN.—Makers' prices are steady at the recent advance:—

Quantity	In containers of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. . .	4 1½	—	—	—	—
From 4 lb. . .	4 0½	3 10¾	—	—	—
From 7 lb. . .	3 11½	3 9¾	3 9¼	—	—
From 14 lb.	3 10½	3 8¾	3 8¼	3 8	—
From 28 lb.	3 9½	3 7¾	3 7¼	3 7	3 6½
1 cwt. . .	3 2½	3 0¾	3 0¼	3 0*	2 11½
5 cwt. . .	3 2	3 0¼	2 11¾	2 11½*	2 11
10 cwt. . .	3 1	2 11¼	2 10¾	2 10½*	2 10

* 8 × 14 lb. and upwards in one delivery, ½d. per lb. less. Sale subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale for such

quantity current at time re-sale is made, and, if powder is converted into tablets, not to sell any number at prices or terms below scale current at time of sale.

ASPIRIN TABLETS.—British makers' prices are steady: Under 5,000, 3s. 3½d.; 5,000, 3s. 1½d. 10,000, 3s. 0½d.; 25,000, 2s. 10½d.; 50,000, 2s. 9½d.; 100,000, 2s. 8½d.; 250,000, 2s. 8d.; 500,000, 2s. 7½d.; 1,000,000, 2s. 6½d.; 2,000,000, 2s. 5½d. per 1,000.

ATROPINE.—No changes have been notified in makers' prices, details of which were given last week.

BARBITONE.—Supplies are severely restricted, and the price of any available material would be in the region of 45s. per lb. SODIUM BARBITONE.—About 45s. per lb.

BENZALDEHYDE.—Prices remain at between 5s. and 5s. 6d. per lb., with no change in the supply position.

BENZOIC ACID.—Supplies are available for medical purposes. Prices range from about 2s. 6d. to 3s. per lb., according to quantity.

BENZYL BENZOATE.—Supplies are available for medical use only at prices unchanged from those given last week.

BISMUTH SALTS.—The two leading salts are steady, as follows: CARBONATE.—Not less than 1 cwt., 8s. 4d. per lb.; 28 lb.–1 cwt., 8s. 7d.; 8 lb.–28 lb., 10s.; 4 lb.–8 lb., 10s. 9d.; under 4 lb., 11s. 3d. SUBNITRATE.—Not less than 1 cwt., 7s. 3d.; 28 lb.–1 cwt., 7s. 6d.; 8 lb.–28 lb., 8s. 8d.; 4 lb.–8 lb., 9s. 5d.; under 4 lb., 9s. 11d.

BORAX, B.P.—Makers' prices are as follows: Granulated, £39 10s. per ton; crystals, £40 10s.; powder, £41, packed in one-cwt. bags, delivered carriage paid in Great Britain, in one-ton lots and upwards. Commercial grades, £8 per ton less.

BORIC ACID, B.P.—For one-ton lots and upwards, in one-cwt. bags, delivered carriage-paid in Great Britain, makers charge as follows: Granulated, £60 15s. per ton; crystals, £61 15s.; powder, £62 15s. Commercial grades, £8 per ton less.

BROMIDES.—Makers' prices for POTASSIUM are steady at the following figures:—

Quantity	In parcels of				
	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
From 1 lb. . .	3 11	—	—	—	—
From 4 lb. . .	3 10	3 8¼	—	—	—
From 7 lb. . .	3 9	3 7¼	3 6¾	—	—
From 14 lb.	3 8	3 6¼	3 5¾	3 5½	—
From 28 lb.	3 7	3 5¼	3 4¾	3 4½	3 4
1 cwt. . .	3 0½	2 10¾	2 10¼	2 10	2 9½
5 cwt. . .	2 11½	2 9¾	2 9¼	2 9	2 8½

SODIUM, 1d. per lb. extra; AMMONIUM, 3d. per lb. extra; packing extra but returnable. Net. Carriage paid in United Kingdom on minimum one-cwt. lots. Contracts over six months: each delivery against contract to be charged at schedule rates current on day of dispatch. War-emergency clause and usual re-sale terms apply.

CODEINE.—There are no alterations to makers' prices:—ALKALOID: ½ oz., 43s. 3d.; 1 oz., 40s. 9d.; 2 oz., 39s. 3d.; 3 oz., 38s. 6d.; 4 oz., 38s. 3d. per oz. PHOSPHATE: ½ oz., 36s. 3d.; 1 oz., 33s. 9d.; 2 oz., 32s. 3d.; 3 oz., 31s. 6d.; 4 oz., 31s. 3d. per oz.

ETHERS (METHYLATED).—The following are makers' prices:—

Specific gravity and grade	Winchester quarts, per lb.	Not less than		Drums and carboys, per lb.
		6 w. qts., per lb.	12 w. qts., per lb.	
	s. d.	s. d.	s. d.	s. d.
0·750	1 5¼	1 4¾	1 4¼	1 3¼
0·735	1 5¾	1 5¼	1 4¾	1 3¾
0·730	1 5¾	1 5¼	1 4¾	1 3¾
0·725	1 7¾	1 7¼	1 6¾	1 5¾
0·725 triply rectified	2 0¼	1 11¾	1 11¼	1 10¼
0·720	1 8¾	1 8¼	1 7¾	1 6¾
0·717	2 2¾	2 2¼	2 1¾	2 0¾
0·720 B.P., not for anæsthesia	1 10	1 9½	1 9	1 8

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause. Prices for anæsthetic ethers unchanged.

HEXAMINE.—Now controlled by the Control of Molasses and Industrial Alcohol (No. 14) Order, which came into force on February 4 (see p. 187).

METHYL SALICYLATE.—No further changes have been notified in makers' prices: Five cwt., 1s. 10d. per lb.; one cwt., 1s. 10½d.; smaller lots, in bottles, 2s. 0½d. per lb.

PHENAZONE.—The price of any small supplies that may be available would be in the region of 19s. per lb.

PHENOLPHTHALEIN.—Makers' prices per lb. are steady at the recent advance: Less than 7 lb., 4s. 3d. per lb.; 7 lb., 4s. 2d.; 14 lb., 4s. 1d.; 28 lb., 4s.; 1 cwt., 3s. 11d.

QUININE.—No change has been notified in the basic price of sulphate, which remains at £14 17s. 5d. per 100 oz., f.o.b. Java.

SALICYLIC ACID (B.P.).—Makers' prices are steady at the recent increase:—

In containers of	1 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 8½	—	—	—	—
From 4 lb. . .	2 7½	2 5¾	—	—	—
From 7 lb. . .	2 6½	2 4¾	2 4¼	—	—
From 14 lb.	2 5½	2 3¾	2 3¼	2 3	—
28 lb.–1 cwt.	2 4½	2 2¾	2 2¼	2 2	2 1½
1–5 cwt. . .	2 0½	1 10¾	1 10¼	1 10*	1 9½

* 8 × 14 lb. and upwards, in one delivery, ½d. per lb. less. Prices include parcels or collapsible cartons; other packages charged extra. Prices subject to buyer's undertaking not to re-sell any quantity at prices or terms below scale current at time of re-sale.

SANTONIN.—No changes have been notified in home trade prices: 15 kilos and over, £46 10s.; not less than 10 kilos, £47 5s.; not less than 5 kilos, £48 5s.; less than 5 kilos, £50

per kilo, delivered free in the United Kingdom; 1-kilo packages free.

SULPHONAL.—In restricted supply at between 45s. and 47s. per lb., according to quantity.

TANNIC ACID.—Firm and unchanged at about 7s. per lb. for any available supplies.

VANILLIN.—Makers' prices are unaltered: Ex clove oil or guaiacol, five cwt., 20s. per lb.; one cwt., 20s. 3d.; 56 lb., 20s. 6d.; less than 56 lb., 20s. 9d., carriage paid in U.K. Tins in cases returnable.

Crude Drugs

ACONITE ROOT.—Values are unchanged, and little business is being done. Dealers' spot prices for small supplies of Indian would be in the region of 2s. per lb.

AGAR.—Market business is at a minimum, but a few small lots of unrestricted Kobe No. 1 may be available on spot at between 62s. 6d. and 65s. per lb. For medicinal use the spot price would be in the region of 47s., and for bacteriological use, about 25s. to 30s. per lb. would be required.

ALOES.—A good deal of interest has been taken in Curaçao, but prices remain high. Offers are reported at 450s. per cwt.; c.i.f., for shipment from Curaçao, and it is likely that the necessary import licence would be granted. Offers have also been received from New York for good livery the price of which would be in the region of 500s. per cwt., landed, but a licence might not be forthcoming. The Cape variety has remained in fair demand, with the price at about 57s. 6d. per cwt. for spot supplies.

ANTIMONY.—English 99 per cent. is quoted at £120 per ton, delivered; crude, for home trade, remains at £100 per ton delivered.

ARECA NUT.—A small routine business is passing, and the spot price is in the neighbourhood of 5½d. per lb.

BALSAMS.—*Tolu* has been in fair inquiry, but spot supplies are restricted and firmly held for about 9s. to 9s. 3d. per lb. The position of *Copaiba* B.P. is unchanged, the spot price being nominal at 9s. per lb. and supplies poor. *Canada*, on spot, would be worth at least 7s. 6d. per lb., and *Peru*, about 7s. 9d. to 8s. per lb., ex store U.K., duty paid.

BELLADONNA.—Market appears to be bare of supplies, but some root is expected shortly.

BENZOIN.—No change in price, but demand remains good. Sumatra, on spot, would be worth from £9 10s. to £10 10s. per cwt., with free almondy at about the figure mentioned last week.

BISMUTH METAL.—Price remains at 6s. 3d. per lb. for minimum 5-cwt. lots.

BUCHU.—Without change on the week. Stocks are gradually becoming smaller, and import licences are being refused. The spot value of any remaining green rounds would be about 5s. 3d. to 5s. 6d. per lb.

CAMPHOR.—Appreciable quantities are difficult to find, though demand continues. Small lots of B.P. powder, however, are available to approved buyers at about 11s. 6d. to 12s. per lb.; a few slabs may be obtainable from regular dealers at around 11s. 6d. per lb., but outside interests are asking up to 16s. The only other natural material now available seems to be Chinese crude (92 to 93 per cent.) which may be had at 10s. 6d. per lb. It is understood that restricted quantities of English synthetic B.P. are being supplied to regular customers at 7s. per lb.

CANTHARIDES.—Buyers are keen to acquire supplies of Chinese flies, but stocks appear to have been cleared.

CARDAMOMS.—Quiet and unchanged on the week. Current prices are as follows: Spot, Aleppy greens, 5s. 3d. per lb.; Aleppy seed, 6s.; Bombay seed, 5s. 6d.; Mangalore seed, 6s.; shipment, Aleppy greens 4s. per lb., c.i.f.; Bombay seed, 4s. 10d., c.i.f.; Mangalore bleached A, 5s. 3d., c.i.f. Mangalore bleached B, 4s. 9d. per lb., c.i.f.

CASCARA SAGRADA.—At the time of writing no news is available as to the distribution of any supplies that may have arrived under the Lease-Lend Act, and dealers await information.

CHILLIES.—Quotations have remained firm, but business is slow. Spot prices are without change: Zanzibar, 175s. per cwt.; Mombasa, 175s. sellers; Sierra Leone and Sudan, both 175s. per cwt., duty paid.

CLOVES.—No price movement has occurred, and prices are at the levels noted last week. Zanzibar, spot, 2s. 6d. per lb., value; grade 2, afloat, 2s. value. Madagascar, unquoted.

COCHINEAL.—About 5s. per lb. would be the present spot value of grey, while black would fetch around 5s. 3d. per lb.

COCOA BUTTER.—The official maximum price remains at 1s. 5½d. per lb., ex factory or warehouse, except under Ministry of Food licence.

COCONUT (DESICCATED).—A Ministry of Food Order fixes the maximum price at 49s. per cwt.

COLCHICUM.—Slow, with prices steady at about 3s. per lb. for Indian corms on spot.

COLOCYNTH.—Rather more inquiry has been received, but little material is on offer. Small supplies of medium grade may be had on spot for about 4s. 6d. per lb.

DANDELION ROOT.—Dealers' quotations for Indian root remain at approximately 120s. per cwt., ex store.

DERRIS ROOT.—A licence is required under the Control of Derris (No. 1) Order, 1942, and business appears to be at a standstill.

DIGITALIS LEAVES.—The spot value of Portuguese leaves has remained steady at between 135s. to 140s. per cwt., ex store.

DRAGON'S BLOOD.—Spot supplies appear to be low, but it should be possible to buy fair re-boiled at about £32 per cwt. on spot.

ERGOT.—Firm conditions obtain. Spot, about 7s. 6d. to 7s. 9d. per lb.; shipment, 7s. to 7s. 3d. per lb., c.i.f.

GINGER.—Quotations are firmly maintained. West African, spot, 180s. per cwt., sellers, afloat, 125s., c.i.f. Cochin, unwashed, spot, about 177s.; afloat, about 150s.; new-crop, dearer at 95s. per cwt., c.i.f. Jamaica, spot, No. 3, 220s. per cwt.

GRAINS OF PARADISE.—Sales are small but steady. Spot material would be worth 1s. 10d. per lb.

GUM ACACIA.—Spot value of unrestricted Kordofan cleaned sorts is at last week's figure of about 225s. per cwt.; shipment, nominal at 70s. per cwt., c.i.f.

HONEY.—Official first-hand wholesale and retail prices for imported and maximum retail prices for home-produced are unchanged. Details of prices were given in the *C. & D.*, August 30, 1941, p. 119.

HYDRASTIS.—No news has yet been received of Lease-Lend supplies. Present stocks are small, and the price is nominal at about 26s. per lb.

IPECACUANHA.—Again in good inquiry, but without quotable change. Matto Grosso, spot, about 18s. per lb. Shipment, new-crop, January–February, about 15s. 3d. per lb., c.i.f., with some holders asking more. Minas, spot, about 12s. to 12s. 6d. per lb., according to seller; shipment, about 10s. 3d., c.i.f. Current prices for EXT. IPECAC. LIQ., in winchester quarts, are as follows: B.P., 1932, under three, 26s. per lb.; three and under six, 25s. 6d.; six and under twelve, 25s.; twelve and over, 24s. 6d. per lb. B.P., 1914, under three, 24s. per lb.; three and under six, 23s. 6d.; six and under twelve, 23s.; twelve and over, 22s. 6d. per lb., all prices net.

Exports of ipecacuanha from Brazil for the first nine months of 1941 totalled 132 tons, of which 100 tons was sent to the United Kingdom, 27 tons to the United States and the remainder to Japan.

JABORANDI.—Spot supplies are being offered by dealers at approximately 55s. per lb.

MENTHOL.—The Chinese product is selling slowly on spot at between 70s. and 72s. 6d. per lb.; Japanese, spot, about 72s. 6d. per lb.

MERCURY.—Prices for quantities of over 7 lb. are subject to the Control of Mercury (No. 6) Order (*C. & D.*, May 10, p. 295). Quantities of 7 lb. and under were decontrolled by the Control of Mercury (No. 7) Order (*C. & D.*, October 18, p. 86). Official prices range between £48 and £48 15s. per bottle of 76 lb., ex warehouse London. The Control of Mercury (No. 5) Order, 1942 (S.R. & O., 1942, No. 181) provides for transactions between the Minister of Supply and any other person on such terms and conditions as may be agreed.

NUX VOMICA.—Shipment values of Cochin are in the region of 31s. per cwt., c.i.f.

ORANGE PEEL.—Dealers' stocks of bitter quarters are rather meagre, but a small business might be done at about 2s. 9d. per lb.

PEPPERS.—The maximum spot price in bond of unpicked whole black Lampong is 5d. per lb., and of whole white Muntok, 8d. per lb.

PIMENTO.—Steady, with sellers of spot a 2s. per lb.; shipment, February–March, 150s per cwt., nominal, c.i.f.

PYRETHRUM.—Demand is fairly steady, bu stocks in dealers' hands are not too plentiful Spot value would be in the region of 160s. t 170s. per cwt.

QUASSIA CHIPS.—Spot stocks appear to hav been cleared, and no quotations are available.

QUILLAIA BARK.—Crushed bark would b available from dealers in small lots at aroun 140s. per cwt.

RHUBARB.—Demand for spot goods ha remained fair, and prices are steady at betwee 7s. 3d. to 7s. 9d. per lb. for rough-round according to quality and holder.

RUBBER.—Unquoted until further notice. The Control of Rubber (No. 6) Order, 1942, which came into operation on February 7, places under licence the treatment, use or consumption of crude rubber. The acquisition of rubber is already prohibited, except by licence.

SARSAPARILLA.—A good inquiry is noted for native red, but spot stocks are small and would be worth about 2s. 9d. to 3s. per lb. A parcel is reported on the way.

SEEDS.—ANISE.—Turkish, spot, duty paid, nominal at 165s. CANARY.—No spot stocks available. CARAWAY.—Dutch, spot, nominal at 380s. CORIANDER.—English, spot, quoted at 185s. to 200s.; Indian, 150s., duty free. CUMIN.—Indian, spot, 150s., duty free; Malta, 155s., duty free. DILL.—Indian, spot, 165s., duty free. FENNEL.—Indian, spot, nominal at 90s., duty free. FENUGREEK.—Indian, spot, sold at 115s., duty free. MUSTARD.—English, 120s. to 135s., according to quality.

SENEGA.—Inquiry moderate but supplies restricted. Small parcels may be available on spot at about 7s. 3d. to 7s. 6d. per lb.

SENNA.—Remains steady, with hand-picked Alexandrian pods, in rather restricted supply on spot, at about 4s. 6d. to 5s. 6d. per lb.; Alexandrian leaves, siftings, would be worth about 1s. 3d. per lb.; hand-picked Tinnevelly pods would fetch between 1s. 3d. and 1s. 5d. per lb. for selected, and about 8d. for f.a.q.

SHELLAC.—Business has been slow, but quotations are a shade firmer. Standard TN orange, spot, 187s. 6d. per cwt., value; shipment, 174s. sellers, c.i.f. Pure button, spot, unquoted; fine orange, 225s. to 275s. quoted.

SLIPPERY ELM BARK.—Stocks are low, but inquiry has been good. Dealers' prices would be as follows: Wired bundles, about 2s. 6d. per lb.; grinding quality, around 1s. 3d. per lb.

SOYA BEAN FLOUR.—A general licence has been issued under the Soya Flour (Control and Maximum Prices) Order, 1941 (*C. & D.*, December 20, p. 377), authorising the use of soya flour in the manufacture for sale of certain products, including sugar confectionery as defined in the Cocoa, Chocolate and Sugar Confectionery (Licensing and Control) Order, 1941; and soya flour mixture which a person is authorised to manufacture or prepare for sale for use as

human food under the terms of a licence (except a general licence) granted by the Minister of Food under any order other than the Soya Flour (Control and Maximum Prices) Order, 1941, provided that a fixed or maximum price is prescribed for that mixture by the Minister of Food. Any person using soya flour in the preparation for sale of a mixture that is not a cooked article ready for human consumption, or that is not included above, should apply for a licence to the Cereal Products Division, Mount Stewart Hotel, Colwyn Bay.

SQUILL.—In plentiful supply at about 75s. to 90s. per cwt., according to quality.

STORAX.—No supplies seem to be left on spot.

STRAMONIUM LEAVES.—Spot quotation for Indian is unchanged at about 110s. per cwt.

TONKA BEANS.—Spot value of fair frosted Para remains at about 5s. per lb.

TRAGACANTH.—Medium grades are without quotable change on the week: No. 1, white, £155; No. 2, white, £140; No. 3, white, £115; pale leaf, £105; amber leaf, £80; red leaf, from £40; woody and hoggy, from £25, ex store.

TURMERIC.—Spot, Madras finger, quoted at 80s. for sound quality and 75s. for wormy.

VALERIAN ROOT.—Values are steady, but business is slow. Indian, spot, approximately 120s. to 130s. per cwt., according to quantity.

WAXES.—Prices are at the advanced levels recorded last week: BEES'.—Spot, 290s. nominal; in bond, 265s.; Dar-es-Salaam, nominal at 290s. Japanese, first three brands, spot, duty paid, 320s., nominal. CARNAUBA.—Spot, fatty grey, 510s.; chalky grey, 490s.; Primeira, 580s.

WITCH HAZEL (LIQUID EXTRACT).—Is probably to be imported under the Lease-Lend Act, but no information is yet available as to supplies.

Essential and Expressed Oils

ANISE (STAR).—Inquiry has been sustained throughout the week, but present spot prices are not attractive to buyers.

BAY.—About 10s. to 12s. per lb. would represent the present spot price.

BOIS DE ROSE.—Spot price would be in the region of 27s. to 30s. per lb.

CAJUPUT.—No supplies seem to be coming forward, and spot values are firmer at between 12s. and 14s. per lb., according to quantity.

CAMPHOR.—A few odd drums are stated to be available on spot at between 450s. and 500s. per cwt., duty paid.

CANANGA.—Spot stocks are difficult to locate; the price is nominal at around 60s. per lb.

CEDARWOOD.—There appears to be nothing available on spot, and no forward quotations can be obtained. Spot price remains nominal at about 6s. 6d. per lb.

CINNAMON LEAF.—Shipment, if available, would be in the region of 12s. 6d. per lb., c.i.f., with spot at about 14s. per lb.

CITRONELLA.—It is understood that Ceylon oil is becoming difficult for shipment; afloat would be worth around 12s. per lb., and spot about 14s. per lb. With the possibility of a hold-up in shipments of Java, the spot price would be a matter for negotiation, with about 20s. per lb. as a basis.

CLOVE.—Market for English-distilled is easier, but available supplies are limited. Spot prices of from 15s. 6d. to 18s. per lb. are mentioned.

EUCALYPTUS.—No change has occurred in the spot value of 70 to 75 per cent. oil at 5s. to 5s. 6d. per lb.

FENNEL.—Sweet is quoted by dealers at approximately 26s. per lb.

GERANIUM.—Prices are nominal and would have to be negotiated.

GROUNDNUT.—The official price of refined deodorised will remain at £40 per ton, naked ex works, for bulk quantities, in the period ending January 31, 1942.

LAVENDER.—The present price of good-quality oil would be in the region of 85s. per lb.

LEMONGRASS.—For afloat oil about 20s. per lb. has been mentioned; spot, a little higher.

LIME.—Genuine West Indian, if available on spot, would now fetch a slightly higher price of about 55s. to 60s. per lb.

LINSEED.—Controlled price of £41 10s. per ton for large bulk quantities of crude, naked ex works, is unchanged for the period to January 31, 1942. Distributors' prices for ordinary quantities would be higher.

NUTMEG.—Scarce and dear. Spot, if available, would be valued at approximately 32s. 6d. to 35s. per lb.

PATCHOULI.—About 60s. per lb. would be the nominal spot value.

PEPPERMINT.—A moderate spot inquiry has been received for Chinese, and odd cases have been sold at 76s. to 77s. 6d. per lb.

PETITGRAIN.—Spot would be worth between 22s. and 25s. per lb.

PINE.—As noted last week, the following maximum prices fixed by the Ministry of Supply are valid until further notice for oil in containers supplied by the seller: 5 gall., 8s. 5d.; 10 gall., 8s. 2d. per imperial gallon, both duty paid ex store or warehouse for net cash. A reasonable extra charge may be added for credit.

SASSAFRAS.—Dealers would require about 17s. 6d. per lb. for any available spot supplies

SPIKE.—The present spot price is 20s. and upwards per lb.

THYME.—Medium-quality, on spot, is valued at about 16s. per lb., but higher phenol-containing oils would be dearer.

TURPENTINE.—As noted last week, the following maximum prices fixed by the Ministry of Supply are valid until further notice for oil in containers supplied by the seller: 5 gall., 7s. 11d.; 10 gall., 7s. 8d. per imperial gallon, both duty paid ex store or warehouse for net cash. A reasonable extra charge may be added for credit.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

Deefrment of Pharmacists

SIR,—My letter (*C. & D.*, February 7) on this matter has brought forth official criticism, and I therefore hasten to reply, in order that your readers may have the opportunity of seeing that what has been said is by no means the final word. Where and when has it been made known that "residual grounds" might be advanced in support of "professional essentiality"? Where are the questions on the official form which would lead one to suppose that this was so? Has it not been the criterion, even for unqualified female personnel, that they should be "mainly engaged in drug sales and dispensing"? Are we now to understand that the broader and less technical services of these people are to be judged on a narrower basis than the qualified pharmacists, as must be so if "residual grounds" are valid for the latter? The current Schedule of Reserved Occupations was published late in December 1941, and block reservation was abandoned on January 1, 1942. Obviously the Schedule was intended to be the criterion for deferment consideration. Why then "must it be pointed out" that it refers to reservation and not to deferment? The difference quoted between thirty and thirty-five is also pointless for all over thirty-five. We are glad to note, however, that "residual grounds" may at least be put forward even if the "weight" to be attached to them is left to a committee whose terms of reference are strictly professional. My letter nowhere stated or meant that committees had acted unjudicially in general or as between employer and employee; but the employer "applying for his own personal deferment" has the undeniable advantage that his personal hardship is synonymous with his hardship as an employer, and he is therefore the only one who can present these facts in this way, even down to the stage of the personal hardship tribunal. The secretary admits that personal hardship cannot be considered as such by the Committee. This is not only adverse to the non-proprietor pharmacist but also to employer companies who can make direct application for deferment for all except pharmacist employees. The secretary states "While block reservation remained the district Committees had no function to perform." Did they not then hold meetings and perform before 1942? Who investigated the cases of those under thirty who were drafted for service? I am in possession of several letters on these matters from a local committee which was apparently not functioning!

It is said that the "attack" on the District Committees is unwarranted. The warrant is carried in the contention that the Committees are "inequitably constituted in principle." There is no allegation as to their practice. Given perfect jurisprudential sense in every member this may be ideal, but I had understood, as a layman unversed in the niceties of such matters, that the true course of natural justice entails that no man should judge a case in which he is concerned, that—the authority will doubtless be recognised—"Justice must not merely be done; it must obviously and manifestly seem to be done also." Hence the "attack" on the principle of District Committee constitution. Why should, for example, as is the case, an official of a "co-op." or a chain store company sit in judgment on his competitor pharmacists, with access to all the business information disclosed on the questionnaire? Is it obvious that justice manifestly will be done? Turn to page xi, Calendar Supplement, where the constitution of the Central Pharmaceutical War Committee is set out. Remember that over 50 per cent. of pharmacists are employees, and more than this if only military age be considered. Tick off the number of absolute employees' representatives. How many are there? One, or more? Is it any wonder that every trade union with pharmacist members—I speak with specific knowledge—is dissatisfied with the principle of the present procedure?

Yours faithfully,

Birmingham. H. WALSH.

Appreciation

I should like to add my congratulations to the many you must have undoubtedly received regarding the *Chemist and Druggist Year Book* for 1942. Considering the tremendous difficulties you must be up against, I feel that you are to be complimented on producing such a comprehensive and useful guide.—L. H. L., Nuneaton.

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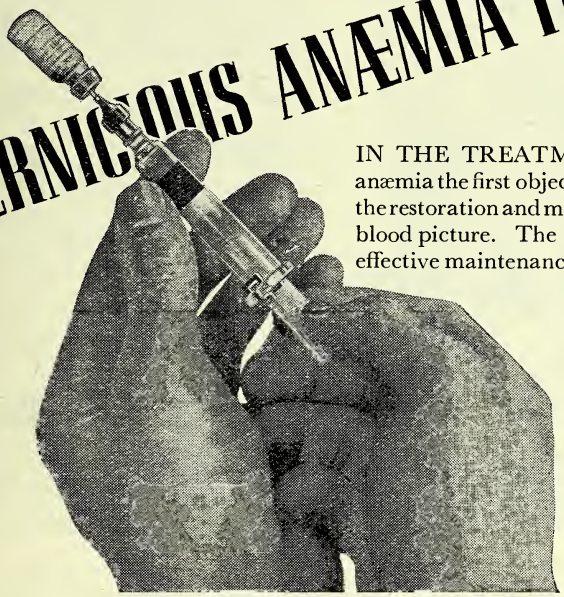

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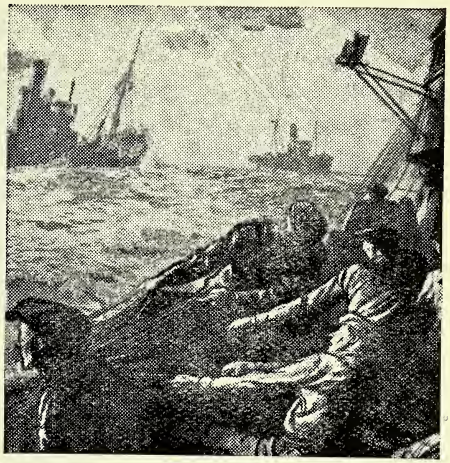

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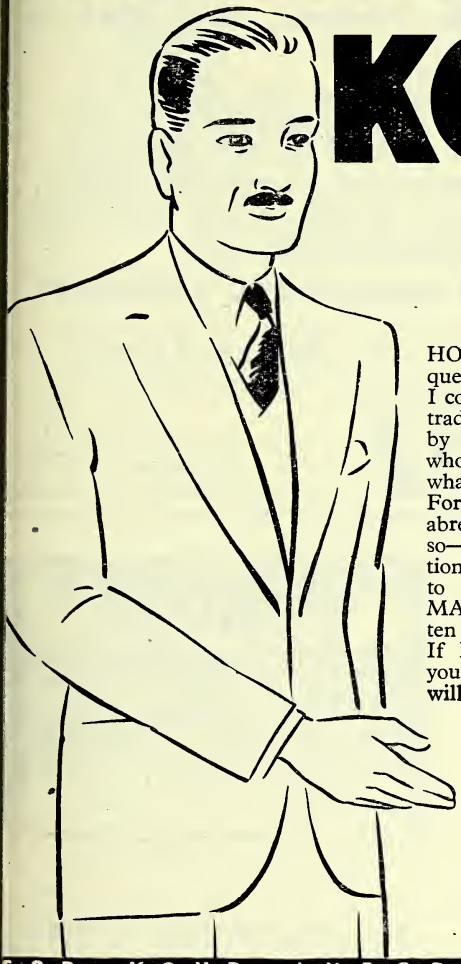

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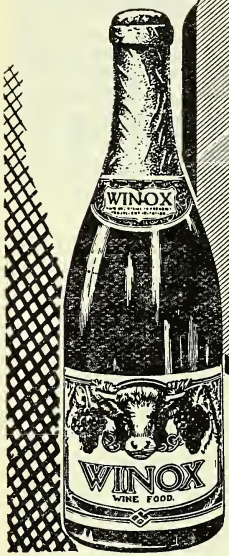

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28 ESSEX STREET, LONDON, W.C.2

FEBRUARY 14 1942

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MANUFACTURING Chemists in North of England require Departmental Manager filling and finishing medicinal products. Pharmaceutical qualifications and experience large-scale packing organisation essential. State age and full details, experience and qualifications. 397/556, London Office of this Paper.

MANUFACTURING Chemist, West London district, has a vacancy for a Production Manager and Works Foreman. Permanent situation for suitable applicant. Write full details 397/545, London Office of this Paper.

MIDLAND Veterinary Chemists require fully-qualified M.P.S. to supervise and work with small staff in manufacture Animal Medicines, Allied Specialities, under direct personal guidance of Directors. State fully experience, salary required, send recent photo. CDB/935, London Office of this Paper.

PREMIER Distributing House require Assistant Manager for Surgical Dressings, Plasters, and Sundries Department. Experience of manufacture not necessary, but knowledge of types of products, assembling and dispatch would be an advantage. Good prospects. Apply giving age, when available, experience if any, whether exempt for military service and salary required, to CDB/932, London Office of this Paper.

REPRESENTATIVE required, London Manufacturing Chemists. Experienced calling on hospitals, wholesalers, and manufacturers. Thorough knowledge of trade and good connections essential. Prepared to go provinces alternate weeks. Good progressive position for the right applicant. Write full details, stating age, experience, when free and position regarding military service, and salary required. 397/555, London Office of this Paper.

REPRESENTATIVES required, at present calling upon the Medical profession and Hospitals, to introduce a new high-class product, on commission only. State territory covered. 397/562, London Office of this Paper.

REQUIRED by Yorkshire firm of Manufacturing Chemists, Leeds area, an experienced Tablet Maker. State age, wage, and experience to CDB/927, London Office of this Paper.

REQUIRED by wholesale and Manufacturing Chemists in London, Representative to call on chemists in England. Apply, giving details of experience, salary required, etc., to 397/553, London Office of this Paper.

SAVORY & MOORE, LTD., Manufacturing Chemists, Standard Works, Lawrence Road, Tottenham, N.15, require Senior Lady Order and Pricing Clerk for Wholesale. Apply by letter giving full details and salary required.

WANTED for duration of war, Qualified Chemist, capable of taking charge of Manufacturing and Dispensing Departments of firm of Pharmaceutical and Health Food manufacturers. Must be experienced Dietician and capable of preparing individual diets for large personal clientele. CDB/933, London Office of this Paper.

WANTED by Yorkshire house of Manufacturing Chemists, experienced dry's Counter Hand. Stage age, wage, and experience to CDB/937, London Office of this Paper.

WELL-KNOWN Proprietary Manufacturers require several first-class Representatives with connection Chemists, England and Wales, to introduce new nationally-advertised pharmaceutical line, medically sound. Big sales in districts already distributed. Energetic man can make £1,000 a year. Write full details of experience, age, position regarding National Service, district covered. Box No. 557, c/o C. Mitchell & Co., Ltd., 1 Snow Hill, London, E.C.1.

ARE YOU UNEMPLOYED AS A DIRECT RESULT OF THE WAR? IF SO, READ THIS

In order to assist employees who have lost their employment, *either through enemy action or through businesses being closed down in defence areas*, a scheme of free advertisements in the "Situations Wanted" column of this Supplement will be available until further notice.

Any such employee of a retail pharmacist, whether qualified or not, or any employee of works producing or distributing products in connexion with the drug and associated industries is invited to make full use of this facility without charge.

Advertisements should be accompanied by particulars of last employment and cause of its termination, and should be addressed to The Publisher, The Chemist and Druggist, The Pitman Pre·s Bath, to arrive not later than WEDNESDAY morning of week of issue.

WAR-TIME UNEMPLOYMENT SITUATIONS WANTED

The advertisements in this section are inserted free and are from advertisers who have lost their employment as a direct result of the war. Prospective employers are requested to give them special consideration.

Advertisers in this Section should advise us immediately employment has been secured.

RETAIL

ASSISTANT, Unqualified, 30, good education; recently discharged Army, no incapacitation. First-class practical experience Retail town and provinces, also Laboratory and Hospital. Wholesale or works preferred. Drive car. E. Sussex or Kent preferably; highest credentials. CDB/921, London Office of this Paper.

ASSISTANT, unqualified; many years' all-round experience Counter, Dispensing, Photo, desires position; West or South-west England preferred. In own business last nine years. Over military age. CDB/906, London Office of this Paper.

WHOLESALE

UNQUALIFIED Dispenser, Counter and Window Dressing experience, also Hospital Dispensing and Ward Duties; West Bromwich or district. CDB/925, London Office of this Paper.

UNIVERSITY Graduate commerce, 43, who has very successfully represented Messrs. British Cod Liver Oil Producers, Ltd., Hull ("Seven Seas") during the last seven years on the South-west and South Wales territory, is now available, owing to scarcity of supply, for temporary new representation. CDB/926, London Office of this Paper.

● Your local Council will gladly collect all you can save. If you experience any delays in collection write to the Editor, The Chemist & Druggist, The Pitman Press, Bath.

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[45/31]

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